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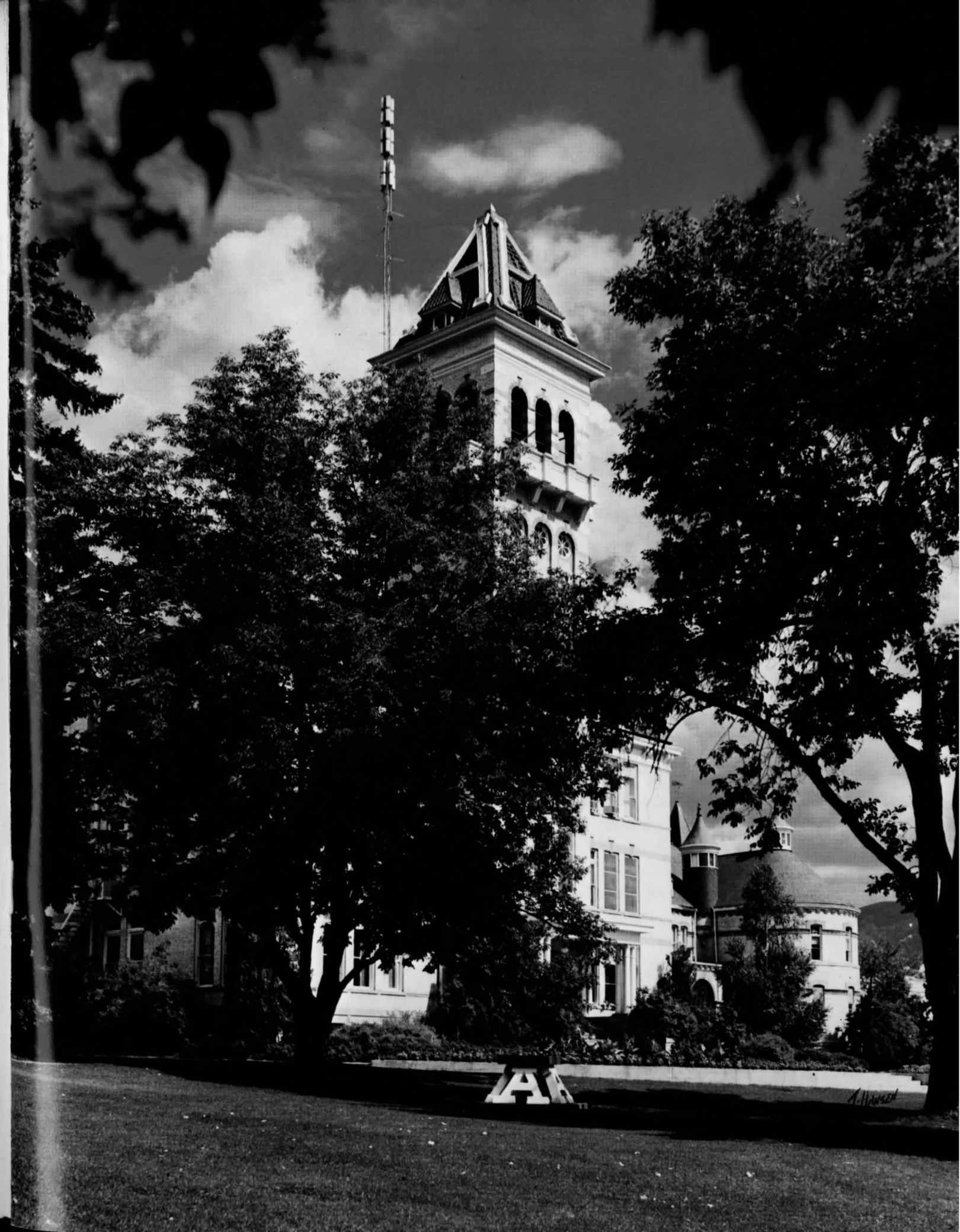
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Utah State University



Annual Commencement



ALMA MATER HYMN

Composed by Theodore M. Burton

Across the quad at eventide the shadows softly fall,
The tower of Old Main appears and peace rests
over all.

The lighted "A" upon the hill stands out against the
blue;

Oh, Alma Mater, Utah State, my heart sings out to you.

And through the years as time rolls on and student
friendships grow,

We'll ne'er forget the joys we had, those days we
used to know,

Thy mem'ries ever will be new, thy friends be
ever true.

Oh, Alma Mater, Utah State, my heart sings out
to you.

COMMENCEMENT ACTIVITIES

WEDNESDAY, JUNE FOURTH

Recognition Awards

Honoring wives and husbands of graduating students
1:45 p.m., *Main Auditorium*

Reception

For alumni, graduating students, their families and friends
3 p.m., *Garden of President's Home*

Academic Procession

7:30 p.m., *Old Main to Spectrum*

Baccalaureate Service

8 p.m., *Spectrum*

THURSDAY, JUNE FIFTH

Academic Procession

8:30 a.m., *Old Main to Spectrum*

Commencement Program

9 a.m., *Spectrum*

College Graduation Ceremonies, 11 a.m.

College of Agriculture, *University Center Auditorium*

College of Business, *Main Auditorium*

College of Education, *Chase Fine Arts Center Concert Hall*

College of Engineering, *Chase Fine Arts Center Theatre*

College of Family Life, *Logan Institute*

College of Humanities, Arts, and Social Sciences, *Spectrum*

College of Natural Resources, *University Amphi-theatre*

College of Science, *University Center Ballroom.*

Graduation Picnic Luncheon

12:30 p.m., *Quad*

*This booklet contains the only complete listing of candidates for graduation.
Please bring it with you when you attend the college graduation ceremonies.*

CREDITS: Photographs pages 1 and 48 by Arlen L. "Ted" Hansen

BACCALAUREATE

Wednesday Evening, June 4, 1975

8:00 p.m.

PRESIDENT GLEN L. TAGGART, *Conducting*

PROCESSIONAL

March to *Die Meistersinger* Richard Wagner
University Symphony Orchestra
Ralph Matesky, *Conductor*

INVOCATION

Marilyn Jeanette Gore
Member, Commencement Committee

MUSICAL SELECTION

Second Symphony in D Major Jan Sibelius
Fourth Movement, Finale
University Symphony Orchestra
Ralph Matesky, *Conductor*

WELCOME

Glen L. Taggart
President, Utah State University

SERMON

Spencer W. Kimball
President Church of Jesus Christ of Latter-day Saints

MUSICAL SELECTION

How Lovely Is Thy Dwelling Place Johannes Brahms
University Chorale, Choir, and Symphony Orchestra
William H. Ramsey, *Conductor*

BENEDICTION

Richard A. Haws
Recipient, Bill Robins Memorial Award

RECESSIONAL

University Symphony Orchestra
Ralph Matesky, *Conductor*

GRADUATION

Thursday Morning, June 5, 1975

9:00 a.m.

PRESIDENT GLEN L. TAGGART, *Conducting*

PROCESSIONAL

Grand March Percy Fletcher
University Symphonic Band
Dean Madsen, *Conductor*

INVOCATION

Theodore Sonne Perry
Recipient, University Citizenship Award

MUSICAL SELECTION

O How Amiable Ralph Vaughan-Williams
University Choir, Chorale and Symphonic Band
William H. Ramsey, *Conductor*

ADDRESS TO GRADUATES

Bob Hope

MUSICAL SELECTION

Festive Overture Dmitri Shostakovich
University Symphonic Band
Dean Madsen, *Conductor*

CONFERRING OF DEGREES

Glen L. Taggart
President, Utah State University

MUSICAL SELECTION

Alma Mater Hymn Theodore M. Burton
Dean Madsen, *Conductor*

BENEDICTION

Bunni Jo Eyre
Recipient, University Citizenship Award

RECESSIONAL

Regal Procession Clifton Williams
University Symphonic Band
Dean Madsen, *Conductor*

VALEDICTORIANS

A Valedictorian has been selected by each college of the University. Addresses will be delivered at the College Graduation Cermonies. Valedictorians are as indicated:

College of Agriculture	Steven Dale Salt
College of Business	Carolyn Winter, Bradford Allen Cannon
College of Education	Pauline Marie Boyer
College of Engineering	Blair J. West
College of Family Life	Margaret Christensen
College of Humanities, Arts and Social Sciences	Karen Casto
College of Natural Resources	Kari Grace Bullock
College of Science	Jesse N. Hunsaker

HONOR GRADUATES

The quality of performance in academic work enables the following to be graduated with distinction. Those who have met residence requirements and have maintained a grade point average of 3.80 to 4.00 are graduated Magna Cum Laude; those whose average is 3.50 to 3.79, Cum Laude.

MAGNA CUM LAUDE

Shelly Agricola	Margaret Christensen	Mark William Johnson	C. Robert Ripplinger
Alyce Mae Alder	Barbara Ann Cieslewicz	Kathleen D. Knierim	Roland Keith Roberts
Brent Terry Allen	Linda Cohane	Kalee Larsen	Steven Dale Salt
Jeanette Allen	Linda Skidmore Daines	Laurita Gene B. Lewis	Patricia Ann Slaugh
Robert Wayne Anderson	Raelene Davis	Debra Loveless	Marvin M. Smith
Brent Cleneth Arnell	Ronald Lawrence DeAngelo	Lori Logan Manning	Paula Ann Sowers Stewart
Geri Lynn Atkins	Gary Scott Decker	Kristine Anne McKee	Mark Douglas Swanson
Barbara Lynette Atkinson	Eric W. DeHaan	Holly Middlesworth	Timothy L. Taggart
Jodi Jeffs Baldwin	John A. Disney	Lauralee Miller	David Sutton Thain
Barry J. Barnum	Glenn Craig Doster	Stephen Blaine Morris	JoAnn Black Tuttle
Kent D. Baugh	Michael Duersch	Katen Sumiye Nakayu	Nuchanart Unhanand
Sharlene Furse Beck	William Kent Fletcher	Catherine Bohart Nelson	Valari Van Valkenburg
Richard Edwin Bell	Sherry Rae Flint	David Ray Olson	Joy Marie Wadley
Jennifer Herbertson Bertin	Elizabeth Jane Gruschow	Denise McClellan Olson	Blair J. West
Mark A. Besendorfer	Barbara Lou Hall	Theodore Sonne Perry	Julie Ann J. Westerberg
Coralee Boman	Jan Harding	Warren Hale Peterson	William Dee Whittier
Pauline Marie Boyer	Robert Lee Hatch	Elaine P. Pilkington	Crystal Ann Willis
Kari Grace Bullock	Georgia Dee Herline	Mary Pitcher	Carolyn E. Winter
Bradford Allen Cannon	David Price Hirschi	John Denton Pool	Arthur John Wittwer
Karen Maye Casto	Raymond J. Hoelzle	Charles Joseph Powell	
Nola White Child	Jesse N. Hunsaker		

CUM LAUDE

Patricia Ann Adams	Marie Beutler	Lawrence W. Cole	Gregory James Erickson
Roberto Alarcon	Candis Marie Beyer	Janice Louise Cook	Jane Greaves Erickson
Diane Allen	Brenda Kay Blackham	Dale B. Cornaby	John Martin Fajen
Clark B. Allred	Jan G. Blaugh	Jana Catherine Craighead	Jessie Lou Fish
Craig D. Anderson	Sherrie Peterson Bowcutt	Carol Ann Daines	Joyce Marie Gebhardt
Robert Bryan Anderson	Betty Joyce Brown	Sue J. Dalley	Charlotte Geer
Morad Ali Ardeshiri	Joyce R. Brown	Monte E. Dansie	Douglas Alan Gering
Diana P. M. Arnett	Gary Kay Burningham	Carolyn Davis	Ellen Gay Gertsch
Lynda Carol Arnold	Koren Marie Burt	Val Wallace Dawson	Glen Ray Green
Deborah Sue Ashdown	Bryon Kent Burton	Debra Lynn Donahue	Keith Stanton Greenhalgh
Cullen LaMar Batty	Deborah Kay Bylund	Diane Lou Dravage	Faye Griffin
Robyn White Bauder	Roxanne Chambers	Patricia Kim Duncan	Ronda Foote Griffin
Laralee Beck	Nancy Champlin	Gloria Dunford	Winthrop Basil Hall
Stephen Veriel Beck	Melvin R. Child	Cynthia Durtschi	Bradley Craig Hanson
David Allred Bell	Wendell P. Child	Curtis L. Eames	Mary Harding
Giselle Bertelson Bell	Nancy Lee Christensen	Frank B. Earl	Carol Dawne Harmer
Nancy Bergeson	Peggy Linn Christensen	Thomas Anthony Easley	Debra Harris
Nancy Pea Bergstrom	Stephen A. Christensen	Donale Ray Edington	James Lael Harrison

HONORS GRADUATES (Continued)

Charles Wesley Haws
David Brent Hewlett
Amber Elizabeth Drury Hill
Bryan Thomas Hooker
Melvin Charles Huppi
Charlene Hyde
Renee Hyer
George Ray Jackson
Dennis Roland James
Marion K. Jenkins
Catherine Jensen
Max David Jensen
Scott A. Jensen
Steven Morris Jeppsen
John Bruce Jessen
Chris Johansen
Scott Franklin Johnson
Sheila Rae Johnson
Risa M. Tew Jorgensen
Zona Raye Merrihew Keyes
Jeffrey Lenox Kint
Paul Keith Knight
Diane Lacey Knipfer
Bradley Ray Kropp
Lynnae Larkin
Lawrence Michael Larsen

Barbara R. Lee
Marlene Lewis
Carl H. Lindahl, Jr.
Ann C. Lindvall
Joanne Lloyd
Michele Locher
Barre James Lomac
Robert Lin Lowe
Randall G. Maughan
Ray Scott McAllister
John Earl McLaughlin
Margaret Mendenhall
Kazuo Miyakoshi
Callie Morgan
Janet-Lee Elsa Murphy
Richard Alma Nelson
Robert Ray Nicholson
Sharon Pearl Nielson
Deann Nobel
Karen Lee Oakes
Jeanette Nielsen Ormond
Karen Osguthorpe
Nannette Seeley Palmer
Spencer K. Parkinson
Alain Roland Paulus
Mark Edward Peplowski

Pamela Jean Perrin
Bryce Michael Peterson
Judy Skeem Peterson
Mark Ellis Peterson
Vickie Ann Pettingill
Roma N. Powell
Van Kelly Randall
Lisa S. Nay Rappleye
Robert Lyman Reese
Arthur Lee Reid, Jr.
Carolyn Rhodes
Lynne Enid Ripper
Lewis Edward Robbins
Jolene Robinson
Mette Jane Robinson
Helen Ruesch
Jill Sabey
Norman P. Salisbury
Curtis Lloyd Sandberg
Jacquelyn Schiess
Bethany Rae Schmucker
Rodney James Scott
Laurence M. Sharp
Anne Norden Shuldberg
James Milton Simard

Randy T. Simmons
Kris T. Skeem
Robert Wesley Skinner
Diane Elizabeth Smith
Dora Lottie M. Smith
Nanette Smith
Debra Viola Snow
Dennis Spackman
Cameron Alexander Stante
Karen Elizabeth Waldron Stewart
Lani Larae Summerhays
Myrna Ann Tolley
Diana Twede
David P. Vanderbeek
Terry Glen Warren
Timothy James Wheeler
Rosemary Schultz Whiting
Jacquetta Mann Wilkins
Garry Dennis Wilson
Kathy Kershaw Winward
Mark William Wolf
Janice L. Ruediger Wright
Lucy Dell Yazzie
Hugo Zenteno
Joyce Marjorie Zollinger

UNIVERSITY CITIZENSHIP AWARDS

Presented annually to the senior man and woman graduates who best portray high traits of character, scholarship, and citizenship.

Theodore Sonne Perry

Bunni Jo Eyre

CERTIFICATES IN INTERNATIONAL RELATIONS

Spencer Alan Ballard
Swadi Daranond

Paul Norman Davis
Georgia Dee Herline

Phicheth Kitisin
Andrew Joseph Masson

Poonsakdi Pranootnaraparn
Gregory Smith Timothy

HONORS PROGRAM GRADUATES

Karen Casto
Danny Kline

Warren Peterson
Gordon Foreman

Michael Duersch
Ted Perry

HONORARY DEGREE CITATIONS

MARJORIE HYER GARDNER

Marjorie Hyer Gardner, your exemplary accomplishments in education have garnered for you an enviable reputation for unparalleled excellence as a sterling scholar, professional leader, and dedicated practitioner. Lewiston, Utah was your birthplace; the world has become your professional home.

Educated at Utah State and Ohio State Universities in Political Science, Chemistry, and Science Education, you have received many distinguished recognitions as an inspiring teacher, precise and competent researcher, prodigious writer, skillful administrator, and recognized leader in science education from a variety of prestigious national and international organizations.

Through your teaching, research, publications, and consultant activities you have been instrumental in pressing for-

ward excellence in teacher education, resulting in improvement in the lives of a multitude of children throughout the world.

Your interdisciplinary approach in shaping the future of science education is guided by a keen intellect, tempered by a humanistic personal concern for your fellowman, embellished by a dignified humility, and stimulated by boundless energy and dedication.

Your accomplishments have been scrutinized and tested under the glaring spotlight of peer evaluation, and you have been judged illustrious and distinguished. For this verdict of unquestioned excellence it is with great pride that Utah State University awards you, Marjorie Hyer Gardner, the honorary degree of Doctor of Education.

BOB HOPE

Just as a man shows his character in nothing more clearly than his sense of humor, so too does a nation reveal itself in the warmth of its love for its comedians. And no nation ever loved a comedian more than America loves Bob Hope. For yours has been a special brand of humor, born of the joyous heart and nurtured in kindness and goodwill.

Though a native of England, you have come to epitomize the sentiment that is America; a sentiment which claims as its birthright the ability to find pleasure in the sunny brightness of the laugh. You have taught us that life without laughter lacks buoyancy and elasticity; that it is only the vacant mind which

takes itself too seriously; and that every time a man smiles, but even more when he laughs, he adds to the contents of life.

Generous and unselfish, you have used your comedic talents to the advancement of those less fortunate, leaving in your wake hospitals and scholarships. In your willingness to give of yourself, you have earned the esteem and gratitude of all who have discovered - through you - the gift of hope.

Leslie Townes Hope, in acknowledgement of your personal and professional achievements and in recognition of the unusual place you occupy in the affection of the American people, Utah State University awards you the honorary degree of Doctor of Humanities.

SPENCER W. KIMBALL

In this turbulent era torn by chaos and confusion and divided by feverish conflicts between men, yours has been a clear, stabilizing voice combining understanding with strength, wisdom with love. Your life has been burnished in the service of others, and the luster of its nobility and elegance reflects a continuing search for that which is virtuous, lovely, of good report or praiseworthy.

As president of the Church of Jesus Christ of Latter-day Saints, you have emphasized the need to hold fast to those enduring qualities which illuminate the human spirit and enoble mankind. Your message, directed not merely to those who share your religious beliefs but to all who cherish the age-old values, focuses on the need for compassion and purpose as an alternative to the sordid and the ugly.

As the leader of nearly three and a half million Mormons scattered throughout the world, yours is no common task, to be judged by common standards. Rather yours is a responsibility requiring courage and intelligence, personal sacrifice and vision. The enviable grace of your manner and person inspires and reinforces those who look to you for example, in the same way that your humility and reverence guides and shapes the very tenor and quality of their lives.

Because of your selfless devotion to that which makes life meaningful and worthwhile, Utah State University bestows upon you, Spencer W. Kimball, the honorary degree of Doctor of Philosophy.

HONORARY DEGREE CITATIONS (Continued)

DAVID WYNNE THORNE

David Wynne Thorne, your dedication to scholarship, to quality education, and the welfare of the University which you have served most of your professional life cause you to be numbered among its most distinguished leaders. While Utah State University has been foremost in your life's work, your scientific and administrative skills have made you one of the world's most influential agricultural scientists.

As a descendant of Utah's pioneer stock, a graduate of Utah State University in chemistry, the recipient of a doctorate in soils from Iowa State University, and a respected scientist in Texas and Tennessee, you have been a pillar of strength to this University since 1939. Your commitment to scientific truth and your advocacy of fairness, equity, and the scholarly approach have influenced a large number of scientists and scholars not only at Utah State University, but internationally as well. Your pioneering research on the management of irrigated soils, translated and published in every major language, has opened a

new era in agricultural science on the irrigation of arid lands. Your services as a professional consultant have been and still are highly valued wherever agriculture is practical.

You have given freely of your superb skills to the agricultural science community through its Experiment Stations, various U.S. governmental agencies, international agencies, professional and scientific societies and the Academy of Science. By way of these and other activities you have contributed to the improvement of agriculture everywhere.

Your contagious optimism, your great physical and mental stamina, your concern for people, your quick and creative intelligence and your warm sense of humor mark you among your peers as a scholar and administrator of great distinction. In this revealing light of peer evaluation, Utah State University is proud to award you, David Wynne Thorne, the honorary degree of Doctor of Science.

SIR DENYS HAIGH WILKINSON, F.R.S.

Only occasionally in science there appears an individual who has a greater measure of insight into the obscure mysteries of the frontier, who can stimulate the work and thinking of other gifted men and women, who can lend direction to a field of inquiry, and who can speak and write with wit and grace. You Sir Denys Haigh Wilkinson, are such a man.

Born in Leeds, Yorkshire, England, educated at Cambridge University, you rose rapidly to become Professor of Experimental Physics and Head of the Department of Nuclear Physics in the venerable University of Oxford. You have become one of the world's most important nuclear physicists and have made significant and far-reaching discoveries in many diverse fields, including scientific instrumentation,

sophisticated experimental studies of the structure of the atomic nucleus, and in fundamental nuclear theory.

You have received many impressive honors, Sir Denys, in recognition of your scientific achievements and leadership, both in Great Britain and in the United States, where you spend several months each year. Included among these are the prestigious Bonner Prize of the American Physical Society and the bestowing last year of the knighthood by the Queen in your native country.

It is with great honor to us of Utah State University that we award you, Sir Denys Haigh Wilkinson, the honorary degree of Doctor of Science.

DANIEL WEBSTER WYNN

Theologian, teacher, administrator, your sincere and dedicated ministry to others has profoundly influenced thousands of grateful and admiring students and colleagues. You have spent your life erecting bridges between peoples, tilling an awareness of the brutality of indifference and the need to cultivate true and mature friendships. You have preached the gospel of love, demonstrating its effectiveness in breaking down the walls which separate man from his fellow men. You have shown how reverential regard can be the means of triumph over the human barriers of isolation and separateness. You have accepted the Biblical challenge to "love thy neighbor as thyself" and have consecrated your efforts to the cause of lifting the downtrodden, comforting the needy and the discouraged, and inspiring the defenseless and the weak.

Educated at Langston University in Oklahoma, Howard University, Boston University and Eden Theological Seminary, you have used your role as a university chaplain and professor and as associate director of educational institutions for the Board of Education of the United Methodist Church to upgrade higher education in the United States, including predominantly black institutions. As results of your keen insight, your perseverance and diligence, there has been increased progress toward man's equality before the law and a heightened perception of man's unique place in the universe. For your acknowledged leadership in the promotion of understanding as a means of achieving unity among peoples, and for your efforts to bring harmony to the growing complexities of human relations, it is with pride that Utah State University awards you, Daniel Webster Wynn, the honorary degree of Doctor of Humanities.

THE ACADEMIC PROCESSION

President, State Board of Regents, and
University Institutional Council

Official Guests

Honorary Degree Recipients

University Administrative Officers

Faculties of the Various Colleges

Candidates for Graduate Degrees

Candidates for Baccalaureate Degrees

DRESS

The wearing of academic costume by faculty and student participants at the time of Commencement Exercises has become traditional among universities. The color and pageantry of these occasions are designed to indicate the degree of academic achievement of those who actively participate in such exercises. In order for the audience to better appreciate and understand the significance attached to these ceremonial aspects of the program, the following information is presented.

The significance of the costume is determined principally by the cut of the gown, the size and shape of the hood, and the color of the tassels on the cap. The BACHELOR'S gown is characterized by the long pointed sleeves. The gown worn by a MASTER has closed sleeves with the arc

of a circle near the bottom. The arm extends through the slit, giving the appearance of short sleeves. The hood consists of material similar to the gown and lined with the official academic color of the institution conferring the degree. If the institution has more than one color, the chevron is used to display the second color. The DOCTOR'S gown has full, round and open sleeves with three bars of velvet on each sleeve. The velvet facing of the bars may be black or the color indicative of the degree. The hood consists of a larger and longer assemblage of institutional color draped over the recipient's shoulders and falling well down the back.

The colors worn on the tassels signify the various colleges of the University from which a candidate is being graduated.

AGRICULTURE	Maise
BUSINESS	Drab
EDUCATION	Light Blue
ENGINEERING	Orange
FAMILY LIFE	Maroon
HUMANITIES, ARTS, AND SOCIAL SCIENCES	White
NATURAL RESOURCES	Russet
SCIENCE	Gold-Yellow
SCHOOL OF GRADUATE STUDIES (EdD, PhD)	Gold

CANDIDATES FOR GRADUATION

COLLEGE OF AGRICULTURE

DOYLE J. MATTHEWS, DEAN

Allegre, Richard V.
Allred, Clark B.
Anderson, Jay Val
Benson, Holly Dianne
Bingham, Douglas Jay
Bjelde, David John
Brinkerhoff, Max Kelly
Brough, Wilde Ferris
Buttars, Loren Steven
Chambers, Patrick Vern
Christiansen, Michael Lee
Cooper, Van J.
Cornaby, Dale Barney
Crook, Stanford Reed
Dansie, David Richard
Earl, Craig Charles
Earl, Richard Elmo
Farr, Robert Franklin
Fayhee, Patrick Dale
Farrell, James Encil
Folkman, Steven Lee
Gates, Jeffrey Arthur

Godfrey, Robert Vance
Harsha, David Brice
Haskell, Larry Jeff
Heern, James F.
Henrie, Allen Konroy
Hess, Verl Wayne
Hill, Kevin L.
Hoelzle, Raymond J.
Hull, Gregory Scot
Hunsaker, Barbara Robbins
Jackson, George Ray
Jensen, Judy
Jensen, Max David
Johnston, Robby Allan
Jones, Marc Ducloux
Kabot, Terrence Anthony
Leak, Gary Lynn
Lew, Stephen Andrew
Loomis, Lon Edwin
Lowe, Robert Lin
Madsen, Russell Gail
Marshall, Jerald Lynn

Mastic, Matthew Paul
McAllister, Ray Scott
Memmott, Royce Dale
Millard, Clark Weldon
Millet, Lawson Dwight
Mwangi, Zakayo Joseph
New, Phillip
Noyes, Gale Edwin
Olmstead, Brian Edgar
Olsen, Joseph Henry III
Olsen, Richard Lee
Panter, Kip Eugene
Parker, Alan Robert
Pearse, Terence Laughnan
Perez-Trejo, Francisco
Peterson, Danny C.
Pollmann, Donald Steven
Pool, John D.
Poulson, David Merritt
Remington, Delwin Woolley
Rich, David A.
Robertson, Nancy Elizabeth

Salt, Steven Dale
Sandberg, Curtis Lloyd
Sannar, Steven Lee
Shade, Kim Marshall
Sorensen, Terrell O.
Staheli, Clarence B.
Stephens, Kyle Robert
Stevenson, Jeffrey S.
Tew, Craig Lyle
Tillotson, William Rulon
Wangsgard, Rodney Kevin
Warriner, Ellen Rosalind
Watts, Kelly Wayne
Wengreen, Stuart A.
Wheeler, Timothy James
Whiting, David Earl
Willardsen, Randy Ray
Williams, Richard David
Wood, Clyde Rex
Wyatt, James LeRoy

COLLEGE OF BUSINESS

ROBERT P. COLLIER, DEAN

Albrecht, Max Lynn
Alder, Alyce Mae
Allen, Ben Roger
Allen, Diane
Amarin, Phawana
Andersen, Larry Andrew
Andersen, Margaret
Anderson, David Rell
Anderson, Robert Wayne
Andra, Robert
Archibald, Keith E.
Arnett, Diana P. M.
Ashcroft, Frank Ernest
Ashdown, Deborah Sue
Austin, Philip Irl
Ballard, Mark Lee
Baltodano, Jorge Enrique
Benson, Wayne H.
Bergsjo, Oliver Grant
Beyer, Candis Marie
Bingham, Allen L.
Blackburn, Paula
Boman, Coralee
Borseth, Ann
Bostwick, Janice
Brown, Betty Joyce
Brown, William Glover IV
Byington, Neal Jay
Calderwood, Cheryl Lee Bagley
Cannon, Bradford Allen

Carlson, Eric Swen
Chan, Ping Kay
Christensen, Peggy Linn
Christensen, Leo Drew
Christeson, Jon Alan
Cochran, Alan Louis
Compton, Tamra
Crockett, Thomas Vernon
Davis, Carolyn
Davis, Raelene
Deangelo, Ronald Lawrence
Dennis, Wayne Thomas
Densley, Bruce Elmo
Despain, Douglas Ware
Ditlevsen, Max Joseph
Dunn, James Alfred
Dutson, Russell Steven
Easley, Thomas Anthony
Efnor, Samuel J.
Empey, Robin Joyce
Erickson, Gregory James
Erickson, Zane Alma
Faldmo, Issaac Mark
Fielden, Michael Clark
Flint, Sherry Rae
Fowler, Robin Ann
Freeman, Scott Ernest
Fuhriman, Robert Rex
Galbraith, Janet Elaine
Goffe, Pamela Jean

Greenhalgh, Keith Stanton
Griffin, Kaye
Hadfield, Colin K.
Hamad, Safa Noori
Hancey, Douglas Spencer
Hansen, Marsha
Hansen, Rodney Davis
Hara, Akimasa
Harding, Jan
Harris, Carole Helen
Haueter, Kent B.
Hendricks, Ross David
Higginson, Sue
Hislop, John Andrew
Hosojima, Takashi
Howard, Cynthia Carol
Hughes, Wallace Boyd
Jacobsen, Cody
Jacobson, Jann ReNee
Jaggi, Susan Jones
James, Dennis Roland
Jensen, Harvey Clayne
Jessop, Marilyn
Johnson, Julie Ann
Johnson, Sheila Rae
Kalney, Kathleen
Keyes, Zona Raye Merrihew
King, Val
Kitchen, Thomas Eugene
Kokal, Edward Patrick

Koplowitz, Carey David
Kotter, Van Kimo
Lam, Frank Pun-Yuen
Lefens, Mark Saunders
Leigh, Gene Arnold
Liljenquist, Byron Eugene
Madsen, Earl V.
Malmberg, John Eldon
Matthews, J. Randy
Maurer, Frances LuLa
Mckim, Melanie Sue
Mecham, Dianne L.
Meek, Belinda Van Dyk
Meikle, Brent Henry
Meldrum, Vickie Jo Christensen
Memmott, Jann
Midkiff, Denise Rae
Miller, Paul
Mitchell, Karen
Morera, Santiago A.
Morgan, Callie
Morgan, Michael J.
Morgan, Michael Pressley
Morgan, Ramon B.
Morris, Robert A. Jr.
Murray, Arthur Martin
Nakamoto, Stanley Toshiaki
Naylor, Jane North
Neilson, Jan Warren
Nelson, Boyd C.

COLLEGE OF BUSINESS (Continued)

Nelson, Scott Delton
Ng, Raymond Shau Shum
Nishiguchi, Kay Marie
Oliverson, Christine
Olsen, Rita B.
Palmer, Gordon Thomas
Paskett, Fred Jay
Patterson, Gary Mack
Paulos, Con Pete
Payne, Robert Alan
Payne, Rosalie
Peart, Patricia
Peck, Orla Beth
Perkins, Lori Jo
Perrin, Pamela Jean
Peterson, Bryce Michael
Peterson, Jack Weston
Peterson, Thomas John
Pilgrim, Linda Kay
Pitkin, Larry C.

Poppleton, David Eugene
Price, Nedra Tanner
Probasco, Dale Richard
Quinn, Paul Edward
Randall, Van Kelly
Rees, Karla Deann Beutler
Reese, Charles Kevin
Reese, Don Martin
Richardson, Shanna
Richmond, Jeffrey L.
Riddle, Michael Harry
Riter, Susan Lynn
Roberts, Roland Keith
Robinson, Mette Jane
Rodgers, George Lee
Sabey, Jill
Sayama, Elaine Yoko
Schneider, Kirk Jay
Schwartz, Ray John
Seeley, Kirk G.

Selack, Dean F.
Shahpouri, Ali
Sherner, Diana
Siegel, Dale Richard
Simper, Craig James
Simpson, Joyelyn
Skidmore, Charles James
Skivington, Fred George
Smith, Joel Craig
Stewart, Gary Maw
Stewart, Paula Ann Sowers
Stinemates, Joseph Warren
Stokes, Ross Darwin
Suvachananonda, Adisorn
Swenson, Craig Scott
Takashima, Shuhei
Tang, Chia-Jan
Tarbet, Laren Dean
Taylor, Grant Paul
Taylor, James N.

Thompson, Debra Mae
Thunell, Steven Jay
Tuttle, Joann Black
Vanderbeek, James Don
Walker, Ralph L.
Wanlass, Cherie Ellen
Weeks, Ronald D.
Wengreen, Cory A.
Wilcock, Samuel Scott
Williams, Rick Dee
Wilson, Samuel Ellis
Windle, William Brett
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 Anderson, Maria Milovich
 Anderson, Sharee
 Atkins, Geri Lynn
 Ballif, Dennis Robert
 Barnum, Barry J.
 Bass, Janet Beth
 Baum, Ken C. Jr.
 Bell, Richard Edwin
 Bennett, Dayle Duwaine
 Boccio, James Roy
 Breitborde, David Allan

Burningham, Gary Kay
 Caldwell, Norman Alden
 Child, Nola White
 Child, Wendell Peterson
 Christensen, John Juel
 Christensen, Stephen Allen
 Clay, George Blaine Jr.
 Coughlin, Irene
 Covington, Vann B.
 Cox, Debra Ann
 Cridland, Randall N.
 Dahl, James William
 Daines, Jonathan H.
 Dansie, Monte E.
 Doster, Glenn Craig

Durrant, Merlyn Guy
 Eichelberger, James Michael
 Fajen, John Martin
 Findell, Paul Richard
 Findlay, Thomas Delisle
 Fischle, Karen Anne
 Fobian, John Carl
 Gardner, Stanley Morris
 Guillemette, Mary Katherine
 Haddock, Kent Matthews
 Harding, Richard Stillman
 Hatch, Robert Lee
 Haws, Charles Wesley
 Haws, Richard A.
 Hill, Paula Kaye

Hinchee, Robert Eric
 Hirsch, Larry Allen
 Hirschi, Stephen Remington
 Hogge, Larry T.
 Holmer, Jeanette Fern
 Howes, Bronwen Elizabeth
 Hoyt, Joel B.
 Hsia, Peter Hsi
 Humble, Jeffery Lynn
 Hunsaker, Jesse N.
 Hyatt, Clifford Thomas
 Itakura, Hiromutsu
 Jenkins, Douglas Lyle
 Jensen, Dane Elcanna
 Johnston, David Winner

COLLEGE OF SCIENCE (Continued)

Jones, Wayne Burton
Kemp, Kaaren Ann Martin
Knierin, Kathleen D.
Knight, William Glenn
Knipfer, Diane Lacey
Komoda, Rene Aiko
Koudri, Boubaker
Laws, James G.
Lebaron, Brock Allen
Lindahl, Carl Herman Jr.
McGraw, Anne Cressey
McKee, Michael Dennis
McNeel, John Worth
Merrell, Bruce Wade
Moser, Betty Annette Lowery
Mutter, Linda C.
Nell, Robert Wallace

Olson, David Ray
Ormond, Jeanette Nielsen
Osborn, David J.
Palmer, John Rodney
Palmer, Nannette S.
Parkinson, Spencer Keller
Perry, Theodore Sonne
Poulson, Richard D.
Rawligns, Howard B.
Read, Rayma
Reid, Arthur Lee Jr.
Richards, Rex Samuel
Roberts, Dana Sharelend
Robertson, Robert Cook
Salem, Madani
Schiess, Jacquelyn
Seamons, Russell Glenn

Sharp, Laurence M.
Simonsen, Randy T.
Simpson, Robert Henrie
Skeem, Kris T.
Smith, Diane Elizabeth
Sorrell, Larry Wayne
Spence, Susan L.
Sprinkel, Douglas Alan
Staker, John Edward
Stephens, Lephon Corder
Stokes, Tommy J.
Tabor, Douglas Bruce
Tate, Douglas B.
Taylor, Herbert G. Jr.
Thain, David Sutton
Thad-Houane, Paul
Thomas, Reed Mason
Thompson, Leland Darrell

Thornes, Catherine Ann
Thornes, Nancy Patricia
Unhanand, Nuchanart
Varney, Jerry Leo
Vickers, Joseph Devon
Wallace, David Owen
Watson, Myra Lou
Whittier, William Dee
Widdison, Kirk C.
Wight, Richard Lee
Wille, Lane Carl
Willis, Crystal Ann
Wilson, Gary Alan
Wilson, Thomas Daniel
Wittwer, Arthur John
Zenteno, Hugo
Zobell, Kenneth Ronald

RESERVE OFFICERS TRAINING CORPS

MILITARY SCIENCE

Graduates presented a Commission as Second Lieutenant.
United States Army, at earlier unit ceremonies.
Asterisk indicates a Distinguished Graduate.

*Davis, Paul N.

Hamilton, Robert E.

Pearson, Ron P.

Robson, Gordon W.

AIR SCIENCE

Graduates presented a Commission as Second Lieutenant.
United States Air Force, at earlier ceremonies.
Asterisk indicates a Distinguished Graduate.

Amellino, Richard A. Jr.
Brewer, Jay L.
Cameron, John D.
Clarke, Richard L.
Dahl, James W.
Dinsie, Monte E.

Hoefler, Terian
*Holt Schneider, Stanley W.
*Jenkins, Marion K.
*Jessen, John B.
Jones, Wayne B.

Keough, Daniel M.
Kroll, Gary E.
Lucero, Louis D.
McAllister, Ray S.
Meikle, Carolyn S.

Miller, Francis G.
Morgan, Pat D.
*Rowe, Mark C.
Skidmore, Charles J.
Wilson, Mark R.

THE SCHOOL OF GRADUATE STUDIES

EASTMAN N. HATCH, DEAN

DOCTOR OF PHILOSOPHY

ADAMS, DARLENE LOUISE

Colville, Washington
MS: Eastern Washington State College, 1968
Major: Psychology
Major Professor: Dr. Glendon Casto
Dissertation: Development and Validation of an Instructional Program to Teach Observational and Recording Skills in Behavior Modification

ALFERINK, LARRY ALLEN

Holland, Michigan
MS: Utah State University, 1973
Major: Psychology
Major Professor: Dr. E. K. Crossman
Dissertation: Priming and the Post-Prime Pause in Mixed Fixed-Ratio Schedules

ALVAREZ, JOSEPH LOWELL

Jacksonville, Florida
MS: University of Florida, 1971
Major: Physics
Major Professor: Dr. John K. Wood
Dissertation: Lattice and Grain Boundary Diffusion in This Bimetal Films Studies by Photoelectron Spectroscopy and Microsectioning

ANDELIN, STERLING DON

Idaho Falls, Idaho
MS: Brigham Young University, 1970
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Dissertation: The Effects of Concurrently Teaching Parents and Their Children with Learning Adjustment Problems the Principles of Parent Effectiveness Training

ANDERSON, VIVIAN TELFORD

Pullman, Washington
MS: Utah State University, 1970
Major: Zoology
Major Professor: Dr. Keith L. Dixon
Dissertation: The Development of Selected Vocalizations of the Black-Capped Chickadee

BALPH, MARTHA HATCH

Logan, Utah
MS: University of Wyoming, 1969
Major: Biology
Major Professor: Dr. Keith L. Dixon
Dissertation: Some Aspects of Winter Social Behavior In Dark-Eyed Juncos

BAROZZI, RONALD LEE

Medford, Wisconsin
MA: University of Hawaii, 1969
Major: Sociology
Major Professor: Dr. Yun Kim
Dissertation: The Influence of a Meditation Technique and an Eastern Ideology on the Value Orientations of College Students

BAUDER, JAMES WARREN

Tewksbury, Massachusetts
MS: University of Massachusetts, 1971
Major: Soil Science and Biometeorology
Major Professor: Dr. R. J. Hanks
Dissertation: Determination of Crop Production Functions as Related to Soil and Moisture and Nitrogen

BAYOUMI, MOHAMED ABBAS

Port Sudan, Sudan
MS: Utah State University, 1969
Major: Range Science
Major Professor: Dr. Arthur D. Smith
Dissertation: Response to Fertilization of Big Game Winter Range Vegetation

BUCKHOUSE, JOHN C.

Alturas, California
MS: Utah State University, 1968
Major: Watershed Science
Major Professor: Dr. Gerald F. Gifford
Dissertation: Water Quality Impact of Burning and Grazing on a Chained Pinyon-Juniper Site in South-eastern Utah

BUHRLEY, LOUIS ERNEST, JR.

Huntsville, Utah
MS: University of Utah, 1971
Major: Biology
Major Professor: Dr. LeGrande C. Ellis
Dissertation: Contractions of the Seminiferous Tubules of the Rat: Effect of Oxytocin, Progesterone, Prostaglandins, Indomethacin, Cyclic AMP and Theophylline

BURNS, DENNIS LEE

Central Lake, Michigan
MS: Utah State University, 1975
Major: Psychology
Major Professor: Dr. Glendon Casto
Dissertation: The Effects of Rapid Feedback and Prescriptive Remediation via the Computer Program "Student Monitor III" on Student Grades and Attitudes

COLLIER, GEORGE DONALD

Decatur, Alabama
MS: Tennessee Technical University, 1967
Major: Wildlife Science
Major Professor: Dr. J. Juan Spillett
Dissertation: The Utah Prairie Dog: Abundance, Distribution and Habitat Requirements

COX, DAVID FRANKLIN

Riverside, California
MS: Stanford University, 1970
Major: Engineering
Major Professor: Dr. Ronald Thurgood
Dissertation: A Synchronous Logic Design with Flip-Flop Constraints

DOCTOR OF PHILOSOPHY (Continued)

DANFORTH, HARRY D.

Roberts, Illinois
MS: Utah State University, 1973
Major: Biology
Major Professor: Dr. Hugh P. Stanley
Dissertation: Fine Structural Study of *In Vivo* and *In Vitro* Asexual and Early Sexual Stages of *Eimeria Magna*

DE PUIT, EDWARD J.

Wyoming, Michigan
MS: Utah State University, 1973
Major: Range Ecology
Major Professor: Dr. Martyn M. Caldwell
Dissertation: Gas Exchange Studies of Arid Land Plants

DOGAN, ALI

Cariksaraylar, Turkey
MS: Utah State University, 1971
Major: Engineering
Major Professor: Dr. Joel E. Fletcher
Dissertation: Some Effects of Microflora on Surface Runoff Quality

DRURY, DOUGLAS DOYLE

Indio, California
MS: University of Arkansas, 1973
Major: Engineering
Major Professor: Dr. Donald B. Porcella
Dissertation: The Effects of Artificial Destratification on the Water Quality and Microbial Populations of Hyrum Reservoir

ELLIOTT, CLYDE DONALD

Eugene, Oregon
MS: California State University, 1971
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Dissertation: A New Self Report Behavioral Measure for Evaluating Therapeutic Outcomes

FALARDEAU, EDWARD ROBERT

Clarkston, Michigan
MS: Michigan State University, 1971
Major: Chemistry
Major Professor: Dr. J. G. Morse
Dissertation: Studies of Bidentate and Tridentate Fluorophosphines

FERNANDEZ, OSVALDO ALBERTO

Buenos Aires, Argentina
MS: University of Toronto, 1962
Major: Range Ecology
Major Professor: Dr. Martyn M. Caldwell
Dissertation: The Dynamics of Root Growth and the Partitioning of Photosynthates in Cool Desert Shrubs

FREDRICKS, JOHN

Idaho Falls, Idaho
MS: Utah State University, 1971
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Dissertation: Community Alcohol Education and Prevention Program

GALLEGO, DANIEL T.

Ogden, Utah
MS: Mississippi State University, 1965
Major: Sociology
Major Professor: Dr. H. Bruce Bylund
Dissertation: Orientations Toward Occupational Attainment and Ethnic Group Identity: A Comparison of American Indian and Caucasian High School Juniors and Seniors

GEERTSEN, DENNIS CALL

Salt Lake City, Utah
MS: Utah State University, 1969
Major: Sociology
Major Professor: Dr. Wade H. Andrews
Dissertation: Public Opposition to Stream Channeling for Urban Flood Control: Assessing the Adequacy of a Social Psychological Predictive Model

GOLIGHTLY, ANNIE LUCILLE

Gadsden, Alabama
MS: University of Tennessee, 1955
Major: Clothing and Textiles
Major Professor: Dr. H. Bruce Bylund
Dissertation: Men's Perceptual Awareness and Acceptance of Fashion

GOMEZ D'ANGELO, ENRIQUE

Cochabamba, Bolivia
MS: University of Wyoming, 1967
Major: Economics
Major Professor: Dr. B. Delworth Gardner
Dissertation: Economic Analysis of the Agricultural Sector in Santa Cruz, Bolivia

GUPTA, ARVIND KUMAR

Moradabad, India
MS: University of Roorkee, India, 1968
Major: Engineering
Major Professor: Professor Vance T. Christiansen
Dissertation: Vibration Analysis of Linearly Tapered Beams Using Frequency-Dependent Stiffness and Mass Matrices

HARGROVE, JAMES LEE

Auburn, Washington
MS: Utah State University, 1973
Major: Biology
Major Professor: Dr. LeGrande C. Ellis
Dissertation: Regulation of Rabbit Testicular Capsular Motility: The Interaction of Prostaglandins, Acetylcholine and Sympathomimetic Agents

HECKER, GERALD DAVID

Vermillion, South Dakota
MA: California State University, 1971
Major: Psychology
Major Professor: Dr. Glendon Casto
Dissertation: Development and Validation of an Instructional Program to Teach Observational and Recording Skills in Behavior Modification

HUMPHERYS, THOMAS WILLARD

Wayan, Idaho
MS: Utah State University, 1970
Major: Physics
Major Professor: Dr. Wilford N. Hansen
Dissertation: Conductance and Evanescent Wave Spectroscopy as Applied to Thin Films in Electrochemistry

HUNTER, RICHARD B.

Sacramento, California
MS: Utah State University, 1972
Major: Biology
Major Professor: Dr. George W. Welkie
Dissertation: Copper Toxicity to Roots of Corn (*Zea Mays*)

DOCTOR OF PHILOSOPHY (Continued)

JANIAK, BETTY PAYNE

Brigham City, Utah
MS: University of Wisconsin, 1964
Major: Psychology
Major Professor: Dr. Glendon Casto
Dissertation: An Evaluation of the Effectiveness of Parent Training Programs in Changing Parent Behavior

KHAN, SHAH WALI

Galuch, Pakistan
MS: Utah State University, 1972
Major: Engineering
Major Professor: Dr. A. Leon Hubert
Dissertation: Comparison of Bias in Both Orthogonal and Ordinary Least Square Regression Coefficient in Two Variate Regression Model When Both Variates are Subject to Error of Observation

KING, WILLIAM F.

Newark, New Jersey
MS: Fisk University, 1963
Major: Chemistry
Major Professor: Dr. William M. Moore
Dissertation: The Synthesis and Photochemistry of Riboflavin, Riboflavin-2-d' and Riboflavin 3-d'

KLEMETSON, STANLEY LOUIS

Richmond, California
MS: University of Missouri, 1973
Major: Engineering
Major Professor: Dr. William J. Grenney
Dissertation: Development of a Dynamic Programming Model for the Regionalization and Staging of Waste-water Treatment Plants

KNOX, ROBERT STEPHEN

Los Angeles, California
MS: Utah State University, 1973
Major: Psychology
Major Professor: Dr. E. Wayne Wright
Dissertation: A Comparison of Second Grade Children's Learning Ability and Two School Tasks with Their Respective Performances on the "Black Box Test of Learning Ability"

LAMBORN, REUEL EARLEY

Logan, Utah
MS: Utah State University, 1950
Major: Soil Science and Biometeorology
Major Professor: Dr. David W. James
Dissertation: The Contribution of Subsoil Phosphorus to the Nutrition of Alfalfa as Influenced by Soil Temperature

LAMMERS, DUANE ALTMAN

Harlowton, Montana
BS: Montana State University, 1967
Major: Soil Science and Biometeorology
Major Professor: Dr. Alvin R. Southard
Dissertation: Distribution of Available Phosphorus in the Subsoil of Selected Pedons of the Warm Springs Series

LATHAM, MARK G.

Tucson, Arizona
MEd: University of Arizona, 1969
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Dissertation: The Individual and Collective Relationships of Levels of Aspiration, Expectation and Achievement to the Construct of Self Concept

MANWILL, GERALD ELTON

Bountiful, Utah
MS: Utah State University, 1974
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Dissertation: An In-Service Education Evaluation of the Communication Skills Workshop

MC LATCHY, MICHAEL JOHN

Salt Lake City, Utah
BS: University of Utah, 1968
Major: Engineering
Major Professor: Dr. Roland W. Jeppson
Dissertation: Partially Saturated Unsteady Flow in a Watershed Profile Solved by the Alternating Direction Implicit Method

MELAMED, JESHAIAHU DAVID

Haifa, Israel
MS: The Hebrew University of Jerusalem, 1962
Major: Engineering
Major Professor: Professor Lyman S. Willardson
Dissertation: Salt Movement Simulation for Irrigation Management Considering Dissolution and Precipitation

MURDOCH, BRUCE THOMAS

Oklahoma City, Oklahoma
MA: Rice University, 1966
Major: Physics
Major Professor: Dr. Eastman N. Hatch
Dissertation: Directional Correlation Tests of Time Reversal Invariance in Gamma-Rays of $^{180}\text{Hf}^m$, ^{169}Tm , ^{175}Lu , and ^{184}W

NARASIMHAN, VISVANATHA APPALA

Visakhapatnam, India
BS: Andhra University, 1957
Major: Engineering
Major Professor: Dr. J. Paul Riley
Dissertation: A Hydro Quality Model to Predict the Effects of Biological Transformations on the Chemical Quality of Return Flows

PARK, HONG YOUL

Seoul, Korea
MS: Fairleigh Dickinson University, 1970
Major: Economics
Major Professor: Dr. Herbert H. Fullerton
Dissertation: Economic Determinants of Rural-Urban Labor Migration: The Case of Korea

PARRISH, DAVID SANDERS

Salt Lake City, Utah
MS: University of Utah, 1969
Major: Biology
Major Professor: Dr. Donald W. Davis
Dissertation: Factors Relating to Diepause in the Alfalfa Weevil Parasite *Bathyplectes curculionis* (Thompson)

PAYNE, NEIL F.

Lynnwood, Washington
MS: Virginia Polytechnic Institute, 1964
Major: Wildlife Science
Major Professor: Dr. J. Juan Spillett
Dissertation: Trapline Management and Population Biology of Newfoundland Beaver

DOCTOR OF PHILOSOPHY (Continued)

PLATA-OLVERA, FRANCISCO J.

Mexico
MS: University of California, 1970
Major: Engineering
Major Professor: Dr. J. Paul Riley
Dissertation: An Optimization-Simulation Methodology for Planning and Management of Water Resources Systems

RAJAGOPAL, POKKAVIL KARUNAKARA

New Mahe, India
MS: Annamalai University, 1958
Major: Wildlife Science
Major Professor: Dr. Clair B. Stalnaker
Dissertation: Respiratory Metabolism and Energy Requirements of Embryo, Larval and Juvenile Mountain Whitefish, *Prosopium williamsoni*

RAO, N. V.

Hyderabad, India
MS: I. I. T. Kharagapur, 1960
Major: Engineering
Major Professor: Dr. Joel E. Fletcher
Dissertation: Watershed Storage-Coefficient: A New Approach to its Practical Determination with Special Reference to Some U.S. Watersheds

ROLAND, MITCHEL MARTEZ

Macon, Georgia
BS: University of Colorado, 1969
Major: Chemistry
Major Professor: Dr. Richard C. Anderson
Dissertation: An Investigation into the Synthesis of Some Pyrrolo-(3, 4-b) Quinoxalines, Thieno (3, 4-b) Quinoxaline and Furo (3, 4-B) Quinoxaline

RUGGIERO, LEONARD FRANK

Point Pleasant, New Jersey
MS: Virginia Polytechnic Institute, 1972
Major: Wildlife Ecology
Major Professor: Dr. Frederick F. Knowlton
Dissertation: The Influence of Movement, Pelage Color, and Morphology on Prey Selection by Kestrels with Emphasis on Interactions

RYCHERT, ROBERT CHARLES

Pittsburgh, Pennsylvania
MS: San Francisco State University, 1968
Major: Biology Ecology
Major Professor: Dr. John Skujins
Dissertation: Nitrogen Fixation in Arid Western Soils

SANTANA, BARRY WAYNE

Spokane, Washington
MS: Utah State University, 1968
Major: Engineering
Major Professor: Dr. W. O. Carter
Dissertation: An Interactive Computer-Aided Dynamic Analysis and Design System for Elastic Steel Plane Frames

SORENSEN, ANN WOOLLEY

Salt Lake City, Utah
MS: University of Utah, 1971
Major: Nutrition and Food Sciences
Major Professor: Dr. R. Gaurth Hansen
Dissertation: The Development of an Index of Food Quality

SORENSEN, DEAN KIMBALL

Los Altos, California
BS: Brigham Young University, 1969
Major: Biochemistry
Major Professor: Dr. LeGrande C. Ellis
Dissertation: The Control of Lysosomal Membrane Integrity in Testicular Tissue in Relation to Lipid Peroxidation and the Possible Role of Lysosomes in the Control of Prostaglandin Synthesis

TRIBBLE, JOHN ATWOOD

Jaffrey, New Hampshire
MA: University of Maine, 1969
Major: Economics
Major Professor: Dr. Kenneth Lyon
Dissertation: The Impact of Monopoly Power on a Commercial Banking Firm

TULUCU, KAZIM

Osmaniye, Turkey
MS: Iowa State University, 1972
Major: Engineering
Major Professor: Dr. J. Paul Riley
Dissertation: Application of the Multilevel Approach to the Management of Land and Water Resources in Agricultural Production

TWEDT, THOMAS M.

Woden, Iowa
MS: Utah State University, 1973
Major: Engineering
Major Professor: Dr. Robert W. Hill
Dissertation: Simulation of the Physical Subsystem of a Mountain Stream Ecosystem by Digital Computer

VALDEZ, RICHARD AMES

Anthony, New Mexico
MS: Utah State University, 1971
Major: Wildlife Science
Major Professor: Dr. William T. Helm
Dissertation: Stability of Stream Communities Exposed to Underground Nuclear Tests on Amchitka, Aleutian Islands, Alaska

DOCTOR OF EDUCATION

ATKINSON, CHARLES MC CLAIN

Ephrata, Washington
MS: Central Washington State College, 1972
Major: Special Education
Major Professor: Dr. Alan M. Hofmeister
Dissertation: The Development and Validation of an Instructional Package on Selected Clinical Syndromes of Mental Retardation

BARCUS, CAROLYN G.

Browning, Montana
MS: Utah State University, 1970
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Dissertation: The Development and Validation of Self-Actualizing Education: A Primer for Affective Education

CRUTCHER, CORINNE EMILY

Lexington, Kentucky
MS: Idaho State University, 1971
Major: Special Education
Major Professor: Dr. Alan M. Hofmeister
Dissertation: The Effects of Systematic Monitoring of the Math Achievement of the Lower 20% of First and Second Grade Students

CRYSTAL, DELBERT GLEN

San Luis Obispo, California
MA: California Polytechnic University, 1969
Major: Industrial Education
Major Professor: Dr. Carl R. Wallis
Dissertation: Comparison of Two Practice Methods of Teaching Manipulative Skills to Secondary Students

DAVIDSON, TED E.

Providence, Utah
MM: Utah State University, 1974
Major: Curriculum Development and Supervision
Major Professor: Dr. Ross R. Allen
Dissertation: The Effects of Drill on Addition-Subtraction Learning; With Implication of Piagetian Reversibility

DICKINSON, DONALD H.

Walnut Creek, California
MS: Central Washington State College, 1962
Major: Curriculum Development and Supervision
Major Professor: Dr. Walter L. Saunders
Dissertation: Community College Student's Achievement and Attitude Change in a Lecture Only Lecture-Laboratory Approach to General Education Science Courses

DORIGATTI, JAMES LEE

Hyrum, Utah
MS: Utah State University, 1967
Major: Curriculum Development and Supervision
Major Professor: Dr. Orson Tew
Dissertation: The Educational Program for the Institutionalized Juvenile Delinquent in Switzerland

HADLEY, GEORGE HARVEY

Waterloo, Iowa
MA: University of Northern Iowa, 1968
Major: Curriculum Development and Supervision
Major Professor: Dr. Arthur D. Jackson
Dissertation: Parental Attitudes Toward Child Development After a Preschool Parent Training Program

HARVEY, ROBERT BALLENGEE

Merced, California
MEd: University of South Dakota, 1957
Major: Curriculum Development and Supervision
Major Professor: Dr. Alvin Wardle
Dissertation: The Procedural and Financial Activities of Selected Community Symphony Orchestras in Central and Northern California

HEWITT, SHIRLEY ANN

Portland, Oregon
MS: Oregon State University, 1960
Major: Curriculum Development and Supervision
Major Professor: Dr. Edward L. Houghton
Dissertation: The Status of Women Faculty in Departments of Business Education of NABTE in the United States

JORGENSEN, CECIL LA MAR

Ogden, Utah
MS: Utah State University, 1958
Major: Curriculum Development and Supervision
Major Professor: Dr. Kenneth C. Farrer
Dissertation: Structural Errors in Freshman English Composition

KUMP, FERRELL Z.

St. Joseph, Missouri
MS: Utah State University, 1971
Major: Curriculum Development and Supervision
Major Professor: Dr. Gail Johnson
Dissertation: Phonic Ability and Reading Achievement Among a Selected Sixth Grade Sample

OSHIRO, YOSHINOBU D.

Pearl City, Hawaii
MS: California State University, 1959
Major: Curriculum Development and Supervision
Major Professor: Dr. Jay A. Monson
Dissertation: Historical Development of the Department of Defense Schools with Emphasis on Japan, Far East-Pacific Area, 1946-1973

TOLMAN, MARVIN N.

Spanish Fork, Utah
MS: University of Utah, 1969
Major: Curriculum Development and Supervision
Major Professor: Dr. Bryce E. Adkins
Dissertation: Development and Validation of a Waiver Test for the Math Content Courses Required of Elementary Education Majors at Utah State University

WHITE, DARRELL K.

Ogden, Utah
MS: Utah State University, 1965
Major: Curriculum Development and Supervision
Major Professor: Dr. Terrance E. Hatch
Dissertation: Moral Development in High School Students and Its Relationship to Success in School

CIVIL ENGINEER

FARZANFAR, SAMAD

Shiraz, Iran
MS: San Jose State College, 1967
Major: Civil and Environmental Engineering
Major Professor: Dr. Roland W. Jeppson
Thesis: Three-Dimensional Solution to Flow at a Free
Overfall by Finite Differences and an Inverse Form-
ulation.

SPECIALIST IN EDUCATIONAL ADMINISTRATION

HENINGER, EARL HAROLD

North Ogden, Utah
BS: Weber State College, 1967
Major: Educational Administration
Major Professor: Dr. Terrance E. Hatch
Thesis: Plan B

MASTER OF ACCOUNTING

ANDREWS, THOMAS EARL

Nephi, Utah
BS: University of Utah, 1968
Major: Accounting

BERGENER, DAVID JOSEPH

Logan, Utah
BS: Utah State University, 1974
Major: Accounting

CALL, WILLIAM HOLMAN

Brigham City, Utah
BS: University of Utah, 1973
Major: Accounting

CHAPMAN, CRAIG TAYLOR

Salt Lake City, Utah
BS: Utah State University, 1973
Major: Accounting

GOCHE, DANIEL LEO

St. Cloud, Minnesota
BS: Fordham University, 1969
Major: Accounting

HYMAS, STEVEN RAY

Ovid, Idaho
BS: Utah State University, 1973
Major: Accounting

KERR, LESTER DAVID

East Ely, Nevada
BS: University of Nevada, 1969
Major: Accounting

LAI, TAK MONG

Kowloon, Hong Kong
BS: Utah State University, 1974
Major: Accounting

LIU, AMY CHUNG-WEI

Taipei, Taiwan
BS: National Chengchi University, 1971
Major: Accounting

MASCHMEYER, RICHARD ALAN

Los Angeles, California
BS: Utah State University, 1966
Major: Accounting

MC BRIDE, CLYDE RUSSELL

Bountiful, Utah
BS: Utah State University, 1952
Major: Accounting

SOVITAYASAKUL, PUANGKAEW

Sawankaloke, Thailand
BS: Thammasat University, 1970
Major: Accounting

SUN, ALICE CHI-HUANG

Taipei, Taiwan
BS: National Chengchi University, 1970
Major: Accounting

WU, CHI-SHI

Taipei, Taiwan
BS: National Taiwan University, 1967
Major: Accounting

MASTER OF AGRICULTURAL INDUSTRIES

ANGSURATANAWECH, MECHAI

Angthong, Thailand
BS: Kasetsart University, 1970
Major: Agricultural Economics
Major Professor: Dr. Jay C. Andersen

CHAMNONG-ARSA, CHAIWAT

Bangkok, Thailand
BS: Kasetsart University, 1974
Major: Agricultural Economics
Major Professor: Dr. Jay C. Andersen

MASTER OF ARTS

ANDERSON, DOUGLAS D.

Logan, Utah
BA: Utah State University, 1973
Major: Economics
Major Professor: Dr. B. Delworth Gardner
Thesis: A Comparison of Economic, Demographic and Social Characteristics of Migrants and Nonmigrants of a Given Age Cohort of Graduating Seniors of Star Valley High School, 1946, 1947

BESTE, ALAN PAUL

Garland, Utah
BA: Utah State University, 1971
Major: Music
Major Professor: Dr. Max F. Dalby
Thesis: Recital Report

BYLUND, ROBERT ARTHUR

Logan, Utah
BA: Utah State University, 1973
Major: Sociology
Major Professor: Dr. H. Reed Geertsen
Thesis: Status Inconsistency and Attitudes Toward Land Use Planning

CARPENTER, RICHARD ALLAN

Bronx, New York
BA: University of South Florida, 1969
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Thesis: The Relationship Between a Measure of Dogmatism and the Retention of Rogerian and Skinnerian Concepts

DEVINE, MAUREEN

Urbana, Illinois
BS: University of Texas, El Paso, 1970
Major: English
Major Professor: Dr. Kenneth B. Hunsaker
Thesis: Imamu Amiri Bakara's Place in the Tradition of Revolt

DEVRIES, GARY LYNN

Ogden, Utah
BA: Utah State University, 1971
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: Assessing the Impact of the Mobile Assisted Career Exploration Unit Three Years Later

MERRITT, SHIRLEY J.

Brigham City, Utah
BA: Weber State College, 1967
Major: English
Major Professor: Dr. Kenneth B. Hunsaker
Thesis: The Francis Christensen Rhetoric Key: A key to Understanding William Faulkner's Cumulative Sentences

OWNBY, CAROLAN POSTMA

Los Angeles, California
BA: Utah State University, 1971
Major: History
Major Professor: Dr. William F. Lye
Thesis: Influence of Christian Missionaries on Ndebele Society From 1829 to 1868

PHILLIPS, LELA M.

Smithfield, Utah
BA: Northwestern State, 1968
Major: English
Major Professor: Dr. Kenneth B. Hunsaker
Thesis: A Study of the Literary Treatment of Sex in Selected Twentieth Century American Novels

PILKINGTON, ACE G.

Hyrum, Utah
BA: Utah State University, 1974
Major: English
Major Professor: Dr. T. Y. Booth
Thesis: The Absurd Beyond

PUTNAM, DAVID FREDERICK JR.

Orem, Utah
BA: Dartmouth College, 1964
Major: Secondary Education
Major Professor: Dr. William J. Strong
Thesis: Bilingual-Bicultural Education in the Alpine School District: The Past History, Present Concerns and Future Possibilities

RICHARDS, WARREN JOEL

Richfield, Utah
BA: Virginia Military Institute, 1973
Major: History
Major Professor: Dr. F. Ross Peterson
Thesis: God Blessed Our Arms with Victory

ROULSTONE, THOMAS B.

Vancouver, B.C., Canada
BA: Brigham Young University, 1973
Major: History
Major Professor: Dr. William F. Lye
Thesis: Social History of Fort Vancouver, 1829-49

WASSERMANN, ANN LOUISE

Logan, Utah
BS: Utah State University, 1974
Major: Political Science
Major Professor: Dr. Dan E. Jones
Thesis: Plan B

MASTER OF BUSINESS ADMINISTRATION

AMANN, ARTHUR MARTIN
Woods Cross, Utah
BS: University of Utah, 1965
Major: Business Administration
Non-Thesis Option

BARSBALLE, JAMES RODNEY
Midvale, Utah
BA: Utah State University, 1971
Major: Business Administration
Non-Thesis Option

BENSON, DOUGLAS PLATT
St. Joseph, Missouri
BS: Missouri Western College, 1971
Major: Business Administration
Non-Thesis Option

CANNON, STUART B.
Salt Lake City, Utah
BS: University of Utah, 1973
Major: Business Administration
Non-Thesis Option

DAILEY, LEONARD EDWIN
Northridge, California
BS: University of South Dakota, 1960
Major: Business Administration
Non-Thesis Option

DWINELL, RICHARD E.
Lincoln, Nebraska
BS: University of Nebraska, 1961
Major: Business Administration
Non-Thesis Option

ELLIS, RODNEY DEAN
Logan, Utah
BS: Utah State University, 1974
Major: Business Administration
Non-Thesis Option

FAUSETT, RICK VEE
Ogden, Utah
BS: Weber State College, 1972
Major: Business Administration
Non-Thesis Option

HSI, RICHARD CHI-WU
Taipei, Taiwan
BS: Soochow University, 1967
Major: Business Administration
Non-Thesis Option

HSU, ALBERT DUAN-AN
Taipei, Taiwan
BS: National Taiwan University, 1971
Major: Business Administration
Non-Thesis Option

KEMARUNGSI, PRANEE
Bangkok, Thailand
BS: Utah State University, 1974
Major: Business Administration
Non-Thesis Option

LOGAN, GARY TRENT
Ogden, Utah
MS: West Virginia University, 1969
Major: Business Administration
Non-Thesis Option

MAYNES, CYRUS KEITH
Midvale, Utah
BS: University of Utah, 1974
Major: Business Administration
Non-Thesis Option

MITCHELL, STEPHEN AUSTIN
Logan, Utah
BS: Utah State University, 1970
Major: Business Administration
Non-Thesis Option

NEAL, CECIL MARVIN
Salt Lake City, Utah
BS: Utah State University, 1974
Major: Business Administration
Non-Thesis Option

NEWMAN, WESLEY DUANE
Tremonton, Utah
BA: Utah State University, 1973
Major: Business Administration
Non-Thesis Option

NYE, LARRY STEPHEN
Ogden, Utah
BA: Weber State College, 1973
Major: Business Administration
Non-Thesis Option

O'DRISCOLL, GALE JOHN
Morgan, Utah
BS: University of Utah, 1957
Major: Business Administration
Non-Thesis Option

RATH, PRADEEP
Cuttack, India
MS: Utkal University, 1973
Major: Business Administration
Non-Thesis Option

RICHARDS, BRUCE LOYAL
Lava Hot Springs, Idaho
BS: Utah State University, 1974
Major: Business Administration
Non-Thesis Option

ROBINSON, CLIFFORD LEE
Independence, Kansas
BS: Utah State University, 1972
Major: Business Administration
Non-Thesis Option

ROTH, ROBERT A.
Youngstown, Ohio
BS: Drake University, 1974
Major: Business Administration
Non-Thesis Option

YEH, MAI NANG
Taipei, Taiwan
BS: Utah State University, 1973
Major: Business Administration
Non-Thesis Option

SANFORD, JAMES
New York City, New York
BA: Michigan State University, 1970
Major: Business Administration
Non-Thesis Option

MASTER OF BUSINESS ADMINISTRATION (Continued)

SANKATUMVONG, CHAVALIT

Bangkok, Thailand
BS: Utah State University, 1973
Major: Business Administration
Non-Thesis Option

SHEA, JAMES GORMAN

Brigham City, Utah
BS: Utah State University, 1974
Major: Business Administration
Non-Thesis Option

SMITH, DONALD PARKER

Providence, Utah
BS: Brigham Young University, 1974
Major: Business Administration
Non-Thesis Option

STAUFFACHER, SCOTT M.

Cedar Rapids, Iowa
BS: Utah State University, 1972
Major: Business Administration
Non-Thesis Option

STEWART, GARY MAW

Ogden, Utah
BS: Utah State University, 1975
Major: Business Administration
Non-Thesis Option

THOMPSON, JAMES LEE

Virgin, Utah
BS: Utah State University, 1971
Major: Business Administration
Non-Thesis Option

WALLACE, ROBERT DUANE

Brigham City, Utah
BS: University of Idaho, 1972
Major: Business Administration
Non-Thesis Option

WOODCOCK, GERALD EDWARD, JR.

Downers Grove, Illinois
BS: University of Illinois, 1955
Major: Business Administration
Non-Thesis Option

ZEPP, MARVIN CHARLES

Morgan, Utah
BS: Union College, 1954
Major: Business Administration
Non-Thesis Option

MASTER OF EDUCATION

ASHCROFT, DEE R.

Logan, Utah
BS: Utah State University, 1974
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

BAIR, TED MEARL

Granger, Utah
BS: Utah State University, 1969
Major: Secondary Education
Major Professor: Dr. Walter L. Saunders
Thesis: Plan B

BANKHEAD, MARK JAY

Ogden, Utah
BS: Weber State College, 1972
Major: Special Education
Major Professor: Dr. Gail Johnson
Thesis: Plan B

BELGARDE, HAROLD H.

Belcourt, North Dakota
BS: Utah State University, 1974
Major: Instructional Media
Major Professor: Dr. Don C. Smellie
Coursework Substitute

BODRERO, MARLENE A.

Providence, Utah
BS: Utah State University, 1970
Major: Elementary Education
Major Professor: Professor Evelyn Wiggins
Thesis: Plan B

BOTT, RANDY LAMAR

Millville, Utah
BS: Utah State University, 1970
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

CHIDESTER, ELDORA MAUGHAN

Logan, Utah
BS: Brigham Young University, 1952
Major: Instructional Media
Major Professor: Dr. Don C. Smellie
Practicum

ERICKSON, TERRANCE LAMAR

Fair Oaks, California
BS: Utah State University, 1967
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

FISCHER, JAMES LOUIS

Hunter Kansas
BS: Washburn University, 1955
Major: Instructional Media
Major Professor: Professor Kathryn C. Gardner
Practicum

GOODMAN, NORRIS DEAN

Richfield, Utah
BS: Utah State University, 1963
Major: Educational Administration
Major Professor: Dr. James A. Jacobsen
Thesis: Plan B

MASTER OF EDUCATION (Continued)

GORHAM, RICHARD LAWRENCE

South Portland, Maine
BS: University of Maine, 1973
Major: Instructional Media
Major Professor: Dr. Michael L. DeBloois
Practicum

GREEN, FRED WYATT

Pocatello, Idaho
BS: Utah State University, 1971
Major: Elementary Education
Major Professor: Dr. Bryce E. Adkins
Coursework Substitute

GRIFFIN, TERRY B.

North Logan, Utah
BS: Utah State University, 1965
Major: Secondary Education
Major Professor: Dr. Ross R. Allen
Coursework Substitute

GRUNIG, ARDELLE PAUL

Heybyrn, Idaho
BS: Ricks College, 1955
Major: Elementary Education
Major Professor: Professor Evelyn Wiggins
Coursework Substitute

HALES, MALOY HORACE

Redmond, Utah
BA: Weber State College, 1970
Major: Elementary Education
Major Professor: Dr. Bryce E. Adkins
Thesis: Plan B

HAMBELTON, BENJAMIN EUGENE

Boise, Idaho
BA: Boise State University, 1971
Major: Instructional Media
Major Professor: Dr. Michael L. DeBloois
Practicum

HANKLA, ANN H.

Palestine, Texas
BA: Texas Women's University, 1962
Major: Secondary Education
Major Professor: Dr. William J. Strong
Coursework Substitute

HANKLA, WALTER VERNON

Ft. Worth, Texas
BS: Texas A & M, 1953
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

HARRISON, J.T.

Point Arena, California
BS: Weber State College, 1969
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

HESLOP, TERRY LEON

Roy, Utah
BS: Utah State University, 1969
Major: Secondary Education
Major Professor: Dr. Walter L. Saunders
Thesis: Plan B

HILL, FRED ERNEST

Twin Falls, Idaho
BS: Utah State University, 1973
Major: Instructional Media
Major Professor: Professor R. Kent Wood
Practicum

HUGHES, EVAN KENT

Garland, Utah
BS: Utah State University, 1962
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

HUNSAKER, CALVIN C.

Logan, Utah
BS: Utah State University, 1966
Major: Secondary Education
Major Professor: Dr. Kenneth C. Farrer
Coursework Substitute

HURD, WILLA LOU

Tremonton, Utah
BS: Brigham Young University, 1965
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: Plan B

JENKINS, CLIFTON WAYNE

Morgan, Utah
BS: Weber State College, 1974
Major: Special Education
Major Professor: Dr. Hyrum S. Henderson
Thesis: Plan B

JENKINS, RONALD KAY

Evanston, Wyoming
BA: Utah State University, 1971
Major: Instructional Media
Major Professor: Professor Duane E. Hedin
Practicum

JENSEN, RICHARD JOHN

Garland, Utah
BS: Utah State University, 1972
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

JONES, ANNE MARIE

Pocatello, Idaho
BS: Utah State University, 1966
Major: Instructional Media
Major Professor: Professor Robert D. Woolley
Practicum

MILLIGAN, JEAN

Logan, Utah
BA: Utah State University, 1972
Major: Secondary Education
Major Professor: Dr. William J. Strong
Coursework Substitute

MONROE, JEANNE

Scipio, Utah
BS: Utah State University, 1971
Major: Secondary Education
Major Professor: Dr. William J. Strong
Coursework Substitute

MASTER OF EDUCATION (Continued)

MUNFORD, IRVING L.

Brigham City, Utah
BS: Utah State University, 1960
Major: Instructional Media
Major Professor: Professor Duane E. Hedin
Practicum

PALMER, TARREL R.

Ft. Wingate, New Mexico
BS: Weber State College, 1968
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: Plan B

PATTEN, KENNETH EUGENE

Winthrop, Maine
BS: University of Maine, 1969
Major: Instructional Media
Major Professor: Dr. Don C. Smellie
Practicum

PERLMUTTER, MARY JEANNE

Menands, New York
BS: State University of New York, 1971
Major: Instructional Media
Major Professor: Professor Robert D. Woolley
Practicum

PUZEY, PAUL B.

Tremonton, Utah
BS: Utah State University, 1969
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Thesis: Plan B

REISINGER, CRAIG MATTHEW

Mt. Carmel, Illinois
BS: Greenville College, 1967
Major: Secondary Education
Major Professor: Dr. Lincoln H. McClellan
Thesis: Plan B

REISINGER, PAMALA JEANNE

Lansing, Michigan
BS: Greenville College, 1966
Major: Elementary Education
Major Professor: Dr. Bryce E. Adkins
Coursework Substitute

RIVERS, ARTHUR L.

Logan, Utah
MS: Utah State University, 1959
Major: Instructional Media
Major Professor: Professor G. Leon Beutler
Practicum

ROBERTS, BETH THOMPSON

Logan, Utah
BS: Utah State University, 1974
Major: Secondary Education
Major Professor: Dr. Richard S. Knight
Coursework Substitute

ROLL, W. DUANE

Great Falls, Montana
BS: Montana State University, 1970
Major: Instructional Media
Major Professor: Dr. Michael L. DeBloois
Practicum

RYAN, GAIL ANNE

Rock Rapids, Iowa
BS: University of South Dakota, 1965
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: Plan B

SAMPLES, DANA ANDREW

Twin Falls, Idaho
BS: Oregon College of Education, 1969
Major: Instructional Media
Major Professor: Professor Robert D. Woolley
Practicum

STANGER, FRED LAVOR

Ogden, Utah
BS: Weber State College, 1969
Major: Elementary Education
Major Professor: Dr. Arthur D. Jackson
Coursework Substitute

TOBLER, LEO GLEN

Washington, Utah
BS: Southern Utah State College, 1969
Major: Elementary Education
Major Professor: Dr. Arthur D. Jackson
Thesis: Plan B

VAN HAVEREN, PEARL A.

Corona, South Dakota
BS: Northwestern College, 1964
Major: Special Education
Major Professor: Dr. Phyllis Publicover
Thesis: Plan B

VAN MEETEREN, JUDY

Ogden, Utah
BS: Weber State College, 1966
Major: Secondary Education
Major Professor: Dr. William J. Strong
Coursework Substitute

WATTS, WINSTON KENNETH

Logan, Utah
BS: Utah State University, 1966
Major: Elementary Education
Major Professor: Dr. Bryce E. Adkins
Coursework Substitute

WEST, VANCE J.

Brigham City, Utah
BA: Brigham Young University, 1961
Major: Elementary Education
Major Professor: Dr. Bryce E. Adkins
Thesis: Plan B

WHITESIDES, BOYD C.

Kaysville, Utah
BS: Utah State University, 1963
Major: Secondary Education
Major Professor: Dr. Lloyd W. Bartholome
Coursework Substitute

YOUNG, DARWIN L.

Brigham City, Utah
BS: Utah State University, 1952
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: Plan B

MASTER OF ENGINEERING

ALEM, MOHAMMED ZAFER YACOB

Amman, Jordan
MS: London University, 1969
Major: Civil and Environmental Engineering
Major Professor: Dr. Joel E. Fletcher

ALLEN, BRENT HOWELL

Brigham City, Utah
BS: Utah State University, 1975
Major: Electrical Engineering
Major Professor: Dr. Alvin M. Despain

ANH, DANG VAN

Saigon, Vietnam
BS: Vietnam, 1970
Major: Civil and Environmental Engineering
Major Professor: Professor William A. Cordon

ANUKULARMPHAI, APICHART

Bangkok, Thailand
MS: Technion, Israel, 1968
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

CAM, NGO CONG

Gocong, South Vietnam
BS: Dalat Vietnam, 1970
Major: Civil and Environmental Engineering
Major Professor: Professor William A. Cordon

CHIU, JIA

Taipei, Taiwan
BS: Taiwan Provincial College, 1970
Major: Civil and Environmental Engineering
Major Professor: Professor Fred W. Kiefer

CROPPER, DENNIS BLAINE

Deseret, Utah
BS: Utah State University, 1974
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

DELLAMORE, CHARLES L.

San Bernardino, California
BS: Utah State University, 1972
Major: Mechanical Engineering
Major Professor: Dr. J. Clair Batty

HU, NING-CHYI

Tainan, Taiwan
BS: Cheng Kung University, 1967
Major: Civil and Environmental Engineering
Major Professor: Dr. W. O. Carter

LIU, SHAN JACK

Tainan, Taiwan
BS: Cheng Kung University, 1969
Major: Civil and Environmental Engineering
Major Professor: Professor Fred W. Kiefer

LU, HU-SHIANG

Taipei, Taiwan
BS: Cheng Kung University, 1968
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

MANWARING, MARK LEONARD

Idaho Falls, Idaho
BS: Utah State University, 1970
Major: Electrical Engineering
Major Professor: Dr. Alvin M. Despain

MOGHARBEL, HASSAN TAHA

Medina, Saudi Arabia
BS: University of Riyadh, 1968
Major: Civil and Environmental Engineering
Major Professor: Professor Fred W. Kiefer

QUEIROZ, ANTONIO STACISHIN VALENTE DE

Recife, Brasil
BS: Universidade Federal De Pernambuco, 1972
Major: Manufacturing Engineering
Major Professor: Professor W. Karl Somers

SAHIBZADAH, MOHAMMED RASOOL

Kabul, Afghanistan
BS: Kabul University, 1970
Major: Agricultural and Irrigation Engineering
Major Professor: Dr. Glen E. Stringham

SANGHAVI, DINESH HARILAL

Bombay, India
BS: University of Bombay, 1973
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

SELF, WILLIS CLARK III

Independence, Kansas
BS: Utah State University, 1971
Major: Civil and Environmental Engineering
Major Professor: Dr. Norman B. Jones

TABRIZI, MOHAMADREZA NOBARI

Tehran, Iran
BS: Utah State University, 1974
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

THOMPSON, DONALD EZRA

Brigham City, Utah
BS: University of Utah, 1958
Major: Manufacturing Engineering
Major Professor: Dr. Carl D. Spear

WANG, TI MAI

Taipei, Taiwan
BS: National Chen Kung University, 1970
Major: Civil and Environmental Engineering
Major Professor: Dr. Norman B. Jones

WILLIAMS, LEO CLAIR

Centerville, Utah
BS: Utah State University, 1960
Major: Manufacturing Engineering
Major Professor: Dr. Carl D. Spear

WILSON, JIMMIE RAY

Boise, Idaho
BS: Boise State University, 1973
Major: Electrical Engineering
Major Professor: Dr. William L. Jones

WU, ALBERT HSIN-JWU

Taichung, Taiwan
BS: Chung-Kung University, 1970
Major: Civil and Environmental Engineering
Major Professor: Dr. J. Paul Riley

MASTER OF ENGINEERING (Continued)

YANAGIHORI, JUNICHIRO

Nagasaki, Japan
BS: Kyushu Institute of Technology, 1962
Major: Manufacturing Engineering
Major Professor: Dr. Carl D. Spear

YAO, JANG-YUH

Taichung, Taiwan
BS: Cheng-Kung University, 1970
Major: Civil and Environmental Engineering
Major Professor: Professor Vance T. Christiansen

MASTER OF ENGINEERING SCIENCE

PORTER, GLENN S.

Bountiful, Utah
BS: Utah State University, 1953
Major: Manufacturing Engineering
Major Professor: Dr. Carl D. Spear

MASTER OF FINE ARTS

ADELMANN, ARTHUR ROY

Columbia, New Jersey
MA: University of California, 1965
Major: Art
Major Professor: Professor Harrison T. Groutage
Thesis: The Crucifixion of Christ in Art and Literature

COTTLE, WILLIAM B.

Walnut Creek, California
MEd: Utah State University, 1974
Major: Art
Major Professor: Professor Jon I. Anderson
Thesis: The Photographer and Multi-Media

BEEBY, MICHAEL JOHN

Millbrae, California
BFA: Utah State University, 1971
Major: Art
Major Professor: Professor Ralph T. Clark
Thesis: Portraits

KUNASIRINDARA, VATIN

Chiengmai, Thailand
BS: Utah State University, 1972
Major: Art
Major Professor: Professor Stephanie Burn
Thesis: Plan B

CHHATPAR, HIRO K.

Bombay, India
MA: University of Wyoming, 1970
Major: Art
Major Professor: Professor Harrison T. Groutage
Thesis: Ragas on Canvas

LARSON, WALDO R.

Hanford, California
BS: Minot State College, 1959
Major: Art
Major Professor: Professor Harrison T. Groutage
Thesis: The Circle as a Design Motif

CLAWSON, RICHARD C.

Smithfield, Utah
BS: Utah State University, 1969
Major: Art
Major Professor: Professor Jon I. Anderson
Thesis: The Analysis of Corporate Packaging: Schilling Company, McCormic Inc.

MASTER OF FORESTRY

ODDO, EDAFE A.

Olomoro, Nigeria
BS: Ohio University, 1968
Major: Forestry
Major Professor: Dr. Jan A. Henderson

MASTER OF INDUSTRIAL EDUCATION

ASHDOWN, ROBERT CURTIS

Bountiful, Utah
BS: University of Utah, 1966
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless

BURCH, H. KENT

Bountiful, Utah
BS: Utah State University, 1973
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless

DE MOSS, RICHARD KENNETH

Midvale, Utah
BS: Utah State University, 1968
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless

MORRILL, JOHN DANIEL

Kaysville, Utah
BS: Utah State University, 1971
Major: Industrial Education
Major Professor: Dr. Carl R. Wallis

SCOW, MARVIN L.

Mayfield, Utah
BS: Utah State University, 1970
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless

SORENSEN, G. DOUGLAS

Smithfield, Utah
BS: Utah State University, 1967
Major: Industrial Education
Major Professor: Dr. Neill C. Slack

WARNICK, PARLEY WALDO, JR.

Hinckley, Utah
BS: Southern Utah State College, 1967
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless

WILSON, WILBUR J.

Cedar City, Utah
BS: Brigham Young University, 1958
Major: Industrial Education
Major Professor: Dr. Carl R. Wallis

MASTER OF LANDSCAPE ARCHITECTURE

BERGDALE, GARLYN NEIL

Ellendale, Minnesota
BS: Winona State College, 1971
Major: Landscape Architecture and Environmental
Planning
Major Professor: Professor Richard Toth
Studio Option

CULBERSON, JAMES SHERWOOD

Little Rock, Arkansas
BA: University of Arkansas
Major: Landscape Architecture and Environmental
Planning
Major Professor: Professor Gerald L. Smith
Thesis: The Functional and Aesthetic Uses of Two
Cache Valley, Utah, Canals

JENSEN, GRANT CHRISTIAN

Vacaville, California
BFA: Brigham Young University, 1973
Major: Landscape Architecture and Environmental
Planning
Major Professor: Professor Jerry Fuhrman
Studio Option

JOHNSON, STANLEY PAUL

Salt Lake City, Utah,
BA: University of Utah, 1971
Major: Landscape Architecture and Environmental
Planning
Major Professor: Professor Richard Toth
Studio Option

MASTER OF MATHEMATICS

ALLAN, VICKI LEE HURST

Logan, Utah
BS: Utah State University, 1973
Major: Mathematics
Major Professor: Professor Michael P. Windham

MASTER OF MUSIC

CALL, ROBERT S.

Brigham City, Utah
BS: Utah State University, 1971
Major: Music
Major Professor: Dr. Alvin Wardle
Recital Report

NYMAN, CARL DAVID

Cedar City, Utah
BS: Utah State University, 1959
Major: Music
Major Professor: Professor Ralph Matesky
Recital Report

MASTER OF SCIENCE

ABBOTT, DAVID MONTGOMERY

Des Plaines, Illinois
BS: Knox College, 1972
Major: Biology
Major Professor: Dr. James T. Bowman
Thesis: The Effects of Sorbitol (D-glucitol) on the Induction of Mutations in *Drosophila melanogaster*

AL-AMIN, KHALID IBRAHEM

Nasrihia, Iraq
BS: Baghdad University, 1966
Major: Soil Science and Biometeorology
Major Professor: Dr. Alvin R. Southard
Thesis: Characteristics and Genesis of the Parleys and Mendon Soils Series in Northern Utah

ALARCON, JORGE

La Paz, Bolivia
BS: Utah State University, 1973
Major: Agricultural Education
Major Professor: Dr. Gilbert R. Long
Thesis: A Strategy for Implementing Sheep Production Practices in the Altiplano of Bolivia

ALSHAREEF, FEHIED FAHAD

Madina, Saudi Arabia
BS: Riyadh University, 1970
Major: Economics
Major Professor: Dr. Jay C. Andersen
Non-Thesis Option

AMARTALINGAM, RAJAN

Kuala Lumpur, Malaysia
BS: University of Malaya, 1970
Major: Plant Science
Major Professor: Dr. J. LaMar Anderson
Thesis: Effects of Temperature on the Responses of Direct-Seeded Tomatoes to Diphenamid and Trifluralin During Germination and Seedling Establishment, and Diphenamid on the Morphology and Anatomy of Seedling Roots

ANDERSEN, DOUGLAS LEE

Othello, Washington
BS: Brigham Young University, 1972
Major: Agricultural Economics
Major Professor: Dr. Jay C. Andersen
Thesis: An Interregional Competition Study of Utah Agriculture Using the Linear Programming Technique

ANDERSON, ELAINE MARIE ROHDE

Altadena, California
BS: Utah State University, 1972
Major: Communicative Disorders
Major Professor: Professor Jaclyn Littledike
Thesis: Voice Quality Changes in Children Following the Removal of the Tonsils and Adenoids

ANDERSON, MICHAEL GEORGE

Ft. Ransom, North Dakota
BS: Colorado State University, 1972
Major: Wildlife Science
Major Professor: Dr. J. B. Low
Thesis: Distribution, Production and Utilization by Waterfowl of Sago Pondweed on the Delta Marsh, Manitoba

ANDERSON, ROBERT DAVID

Logan, Utah
BS: Utah State University, 1967
Major: Wildlife Ecology
Major Professor: Dr. David F. Balph
Thesis: An Evaluation of Trap Stimulus in Relation to Probability of Rodent Capture

ANDREESSEN, TERRY LEE

Washburn, Iowa
BS: Utah State University, 1968
Major: Forest Science
Major Professor: Dr. George E. Hart
Thesis: The Influence of Roots on the Accuracy of Soil Moisture Measurements Taken with a Neutron Moisture Meter

ANDREW, ALLAN S.

Roosevelt, Utah
BS: Utah State University, 1970
Major: Health, Physical Education and Recreation
Major Professor: Professor Nolan K. Burnett
Thesis: Salt Lake Jewish Community Center

ANDRIANO, KIM NILES

Granger, Utah
BS: Utah State University, 1973
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: Evaluation of Treatment Effects by Markov Chains for Evaluation of Probational Techniques of the Utah State Juvenile Court System

AOKI, ELIZABETH Y.

Honolulu, Hawaii
BS: University of Hawaii, 1972
Major: Family and Child Development
Major Professor: Dr. J. Craig Peery
Thesis: Leave-Taking Behavior Between Preschool Children and Their Parents

AUSTRHEIM-SMITH, STEPHEN RICHARD

Albuquerque, New Mexico
BS: University of New Mexico, 1970
Major: Civil and Environmental Engineering
Major Professor: Dr. Donald B. Porcella
Thesis: The Fate of Inorganic Mercury in Aquatic Microcosms

BAER, RICHARD D.

Baltimore, Maryland
BS: Towson State College, 1968
Major: Psychology
Major Professor: Dr. Glendon Casto
Thesis: Relative Efficacy of Two Token Economy Procedures for Decreasing the Disruptive Classroom Behavior of Retarded Children

BALLAM, LAURIE ANNE ISRAELSEN

Bloomington, Indiana
BS: Utah State University, 1972
Major: Family and Child Development
Major Professor: Dr. Carroll Lambert
Thesis: A Comparison of Manipulative and Musical Approaches in Teaching Kindergarten Arithmetic

MASTER OF SCIENCE (Continued)

BATES, GERALDINE

Ashton, Idaho
BS: Utah State University, 1968
Major: Home Economics and Consumer Education
Major Professor: Professor Jane Lott
Thesis: Goals and Locus of Control of Female Delinquent and Non-Delinquent Juveniles

BAYN, ROBERT LEON JR.

Jackson, Michigan
BS: Michigan State University, 1972
Major: Biology Ecology
Major Professor: Dr. Ivan G. Palmblad
Thesis: Dispersion of the Host Specific Phytophagous Insects of Duncceap Larkspur (*Delphinium occidentale*) in the Wasatch Mountains of Utah

BECK, MELODY ANN

Price, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Thomas S. Johnson
Thesis: Remediation of Vocal Nodules in School Children: A Therapeutic Program

BEHBAHANI, AHMAD

Tehran, Iran
BS: Nation-University of Iran, 1971
Major: Economics
Major Professor: Dr. Bartell Jensen
Non-Thesis Option

BIAGGIO, MARY KAY

Manitowoc, Wisconsin
BS: Northern Michigan University, 1973
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Thesis: Anxiety Correlates of Sex Role Identity

BILTON, KATHERINE MARIE

Dugway, Utah
BS: Utah State University, 1972
Major: Sociology
Major Professor: Dr. Richley H. Crapo
Thesis: Sex Role Stereotyping in Magazine Advertising: The Female Image

BINGHAM, MARK JAY

Honeyville, Utah
BS: Utah State University, 1972
Major: Agricultural Economics
Major Professor: Dr. Paul R. Grimshaw
Thesis: An Analysis of Junior Livestock Shows in Utah

BOGDAN, DONNA JOY

Caldwell, Idaho
BS: Missouri University, 1966
Major: Health, Physical Education and Recreation
Major Professor: Professor Nolan Burnett
Thesis: A Study of the Values of Physical Fitness Competition and Sociability of Southwestern Idaho Bowlers

BOLLAR, J. VICTOR

Rupert, Idaho
BS: Utah State University, 1973
Major: Animal Science
Major Professor: Dr. John E. Butcher
Thesis: Influence of Feedlot Manure as a Feed for Breeding Ewes

BOTT, SANDRA KAY

Ogden, Utah
BA: Weber State College, 1970
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

BOWER, GERALDINE LYNETTE

Springfield, Oregon
BS: University of Utah, 1972
Major: Home Economics and Consumer Education
Major Professor: Professor Edith Nyman
Thesis: Identification of Needs and Interests of Low-Income Homemakers in Davis County, Utah, Prior to Program Planning

BOWLES, SCOTT E.

Herriman, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Richard D. Taylor
Thesis: Plan B

BOWMAN, LEE ERIC

Aberdeen, Idaho
BS: Utah State University, 1968
Major: Animal Science
Major Professor: Dr. John E. Butcher
Thesis: Finishing Steer Calves as Compared to Yearlings and Performance Testing of Beef Cattle

BROWN, HARLAN ROGER III

Lewisburg, Tennessee
BA: Vanderbilt University, 1971
Major: Toxicology
Major Professor: Dr. R. P. Sharma
Thesis: Inhibition of Synaptosomal Adenosine Triphosphatases by Organophosphates

BROWN, KAREN EVA

Vernal, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Frederick S. Berg
Thesis: A Stimulus Control, Programmed Conditioning Format for Auditory Training

BURNINGHAM, CRYSTAL B.

Logan, Utah
BA: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

BURNS, DENNIS LEE

Central Lake, Michigan
BS: Western Michigan University, 1970
Major: Psychology
Major Professor: Dr. Carl D. Cheney
Thesis: Behavioral Induction in Guinea Pigs as a Function of Reinforcement Magnitude in Multiple Schedules of Negative Reinforcement

CARRERA, WALTER HUMBERTO M.

Cochabamba, Bolivia
BS: San Simon-Cochabamba, 1960
Major: Soil Science and Biometeorology
Major Professor: Dr. Raymond W. Miller
Thesis: Plan B

MASTER OF SCIENCE (Continued)

CHANG, CHIN-KUANG

Taipei, Taiwan
BS: Cheng-Kung University, 1967
Major: Civil and Environmental Engineering
Major Professor: Dr. Roland W. Jeppson
Thesis: Comparison Between the Characteristics
Method and the Wave Plan Method in Solving Water
Hammer Problems with a Surge Tank

CHANG, RONG GAN

Taipei, Taiwan
BS: Utah State University, 1972
Major: Mechanical Engineering
Major Professor: Dr. Russell M. Holdredge
Thesis: Design of A Finned Flat-Plate Solar Collector

CHANG, RYH-THINN

Taipei, Taiwan
BS: National Chung Hsing University, 1970
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: An Evaluation of Truncated Sequential Test

CHAPPELL, CRAIG BRADFORD

Fremont, Utah
BS: Utah State University, 1974
Major: Sociology
Major Professor: Dr. Stan L. Albrecht
Thesis: Intergeneration Contact and Alienation in an
Aged Mormon Population

CHEN, YEN-LUON

Taipei, Taiwan
BS: National Taiwan University, 1969
Major: Nutrition and Food Sciences
Major Professor: Dr. Gary H. Richardson
Thesis: Manufacture of Cottage Cheese Utilizing a
pH Controlled Whey-Based Lactic Culture

CHENG, I-HUI C.

Taipei, Taiwan
BS: National Chengchi University, 1970
Major: Mathematics
Major Professor: Dr. E. E. Underwood
Thesis: Matrix Norms

CHENG, SHIH-CHUAN

Taipei, Taiwan
BS: National Chengchi University, 1970
Major: Mathematics
Major Professor: Dr. E. R. Heal
Thesis: Plan B

CHILDS, STUART WHITELEY

Rochester, Minnesota
BS: Stanford University, 1971
Major: Soil Science and Biometeorology
Major Professor: Dr. R. J. Hanks
Thesis: A Model to Predict the Effects of Salinity on
Crop Growth

COULTER, DEAN MARSHALL

Ogden, Utah
BS: Weber State College, 1967
Major: Bacteriology
Major Professor: Dr. Larre N. Egbert
Thesis: Effect of *Basillus kaustophilus* L-Aspara-
ginase on the Growth of Mammalian Cells of Tumor
and Nontumor Origin

COULTER, NANCY ADAMS

Camp Springs, Maryland
BS: University of Maryland, 1968
Major: Family and Child Development
Major Professor: Dr. Carroll Lambert
Thesis: Children's Perceptions of the Nurse

CRITTENDEN, JERALD CLIFTON

Ashton, Idaho
BS: Utah State University, 1965
Major: Health, Physical Education and Recreation
Major Professor: Dr. Dale O. Nelson
Thesis: Plan B

CROZIER, LINDA B.

Neola, Utah
BS: Utah State University, 1969
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

DADKHAH, MANOUCHEHR

Tehran, Iran
BS: Pahlavi University, 1966
Major: Watershed Science
Major Professor: Dr. Gerald F. Gifford
Thesis: Plan B

DAVIS, KAY

Brigham City, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: The Relationship Between an Oral Reading
Program and Change in Language Skills

DAYHUFF, STEVEN GEORGE

Ogden, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Thomas S. Johnson
Thesis: Single Case Subject: The Plosive-Injection
Method of Insufflation in Esophageal Speech Training

DICKINSON, VIRGINIA ANNE HALDEMAN

Walnut Creek, California
BS: University of Washington, 1955
Major: Home Economics and Consumer Education
Major Professor: Professor Edith Nyman
Thesis: The Influence of Selected Socio-Economic
Factors on Consumer Awareness

DILLON, GARY EUGENE

Twin Falls, Idaho
BS: Utah State University, 1973
Major: Electrical Engineering
Major Professor: Professor L. Carl Howlett
Thesis: A Calibration Instrument for Rocketborne
Energetic Particle Detection Instruments

DOANE, JUDY ANN

Richmond, Utah
BS: Utah State University, 1970
Major: Business Education
Major Professor: Dr. Harold R. Wallace
Thesis: Plan B

MASTER OF SCIENCE (Continued)

DOUGLASS, VONDA

Parker, Idaho
BS: Utah State University, 1970
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: The Use of a Programmed Instructional System with an Autistic Child

DUFF, DAVID LARRY

San Marino, California
BS: Utah State University, 1973
Major: Electrical Engineering
Major Professor: Professor William I. Fletcher
Thesis: The Design of the MODIC Controller

EDWARDS, JEANNE JOSSELYN

Houlton, Maine
MS: Simmons College, 1966
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Thesis: Perceived Feminine Role Orientation and Positive Self-Concept

EGAN, JEANETTE PARSONS

Dayton, Ohio
BS: Berea College, 1967
Major: Nutrition and Food Sciences
Major Professor: Professor Ethelwyn B. Wilcox
Thesis: A Five-Year Follow-Up Study: Relationship of the High Pufa Diet Used in Original Study of Middle-Aged Adults to Present Dietary Choices, Rate of Erythrocyte Hemolysis and Serum Cholesterol and Triglyceride Values

ENGELHART, TEODORO

Tiquisate, Guatemala
BS: Universidad DeSan Carlos, 1969
Major: Agricultural and Irrigation Engineering
Major Professor: Dr. Jose F. Alfaro
Thesis: Soil Profile Salinity Changes During Trickler Irrigation with Saline Water

EZELL, MARGARET PRATHER

Salt Lake City, Utah
BS: Brigham Young University, 1973
Major: Family and Child Development
Major Professor: Dr. Carroll Lambert
Thesis: Comparisons of Draw-A-Child Test Among Preschool Children

FICHTER, DANA KAY

Pecos, Texas
BS: Eastern New Mexico University, 1968
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

FORERO, JOSE ANTONIO

Bogota, Columbia
BS: U.P.T.C. Colombia, 1968
Major: Agricultural and Irrigation Engineering
Major Professor: Dr. Komain Unhanand
Thesis: Effectiveness of Mole Drains in Leaching Heavy Soils

FRANKIEWICZ, JAMES ALAN

Reno, Nevada
BS: University of Nevada, 1973
Major: Civil and Environmental Engineering
Major Professor: Dr. Trevor C. Hughes
Thesis: Evaporation Reduction Resulting from Decreasing Surface Water Temperatures

FRENCH, DON EDWIN

Overland Park, Kansas
BS: Kansas State University, 1971
Major: Geology
Major Professor: Dr. Donald R. Olsen
Thesis: Geology and Mineralization of the Southeastern Part of the Black Pine Mountains, Cassia County, Idaho

FULLER, RICHARD HOWARD

Sacramento, California
BS: Utah State University, 1970
Major: Geology
Major Professor: Dr. Raymond L. Kerns, Jr.
Thesis: Some Aspects of Geochemistry in the Water and Sediment of Bear Lake, Idaho-Utah

FULLMER, GARY LAMAR

Logan, Utah
BS: Utah State University, 1969
Major: Political Science
Major Professor: Dr. Wendell B. Anderson
Thesis: Plan B

GAST, WILLIAM RICHARD

Roy, Utah
BS: Southern Illinois University, 1971
Major: Outdoor Recreation
Major Professor: Dr. James J. Kennedy
Thesis: Recreational Use of Utah Irrigation Canals: Logan City Canals as a Case Study

GOODWIN, SUSAN

Tehran, Iran
BS: Utah State University, 1971
Major: Psychology
Major Professor: Dr. E. K. Crossman
Thesis: Prescurbutic Vitamin C Deficiency and Escape, Avoidance, and Extinction in Guinea Pigs (*Cavia Porcellus*)

GRAY, ALAN M.

Clyde, Kansas
BS: Kansas State College, 1969
Major: Range Science
Major Professor: Dr. John C. Malechek
Thesis: Nutritional Quality and Herbage Production of Intermediate Wheatgrass (*Agropyron intermedium* [Host] Beauv.) When Infested with Black Grass Bugs (*Labops hesperius* Uhler)

GRAY, WAYLAND E.

Ephraim, Utah
BS: Utah State University, 1970
Major: Geology
Major Professor: Dr. Clyde T. Hardy
Thesis: Structural Geology of the Southern Part of Clarkston Mountain, Malad Range, Utah

MASTER OF SCIENCE (Continued)

HAHN, SANG AI

Seoul Korea
BS: Soo-Do Women's Teachers' College, 1970
Major: Nutrition and Food Sciences
Major Professor: Dr. Deloy G. Hendricks
Thesis: Effect of Zinc Nutriture and Contraceptive Steroid Injection on Body Composition of Young Female Rats

HALL, BRENDA S.

Montpelier, Idaho
BS: Utah State University, 1972
Major: Home Economics and Consumer Education
Major Professor: Professor Barbara White
Thesis: Clothing Discard and Disuse Habits of Adult Women as Related to Physical, Psychological, and Social Factors

HALL, LYNN FRANK

Huntington, Utah
BS: Utah State University, 1970
Major: Plant Science
Major Professor: Dr. David R. Walker
Thesis: The Use of Foliar Applied Zinc Compounds in Correcting Zinc Deficiency in Fruit Crops

HALVERSEN, STEPHEN CLARE

Logan, Utah
BS: Brigham Young University, 1969
Major: Special Education
Major Professor: Dr. Phyllis Publicover
Thesis: Audiovisual Tutorial Home Study Religious Course for the Church of Jesus Christ of Latter Day Saints Trainable Mentally Retarded

HARVATH, HELEN DAINES

Logan, Utah
BS: Utah State University, 1959
Major: Speech
Major Professor: Dr. Burrell F. Hansen
Thesis: A Study of Educational and Professional Experience of Selected Television Newswomen

HATTORI, STEPHEN MASAO

Billerica, Massachusetts
BS: Northeastern University, 1970
Major: Applied Statistics
Major Professor: Dr. Bartell Jensen
Thesis: Plan B

HAVERTZ, DONNA MARLENE

Ogden, Utah
BS: University of Utah, 1956
Major: Home Economics and Consumer Education
Major Professor: Professor Marie Krueger
Thesis: Influence of Self-Evaluation and Goal Setting in Modifying the Teaching Abilities of Student Teachers

HEIMAN, NORMA ANDERSON

Brigham City, Utah
BS: Weber State College, 1967
Major: Elementary Education
Major Professor: Dr. Gail Johnson
Thesis: The Construction of a Standardized Reading Test Culturally Oriented for Navajo Students in the Primary Grades

HENRIE, CLAYTON VERYL

Malad, Idaho
BS: Utah State University, 1971
Major: Mathematics
Major Professor: Dr. James D. Watson
Thesis: Plan B

HIGGINS, KURT M.

Salt Lake City, Utah
BS: Southern Utah State College, 1973
Major: Range Science
Major Professor: Dr. James E. Bowns
Thesis: The Effects of the Black Grass Bug (*Labops hesperius* Uhler) on Several Native and Introduced Grasses

HINCKLEY, STAN D.

Power, Montana
BS: Brigham Young University, 1973
Major: Agricultural Economics
Major Professor: Dr. Darwin B. Nielsen
Thesis: Economic Feasibility of Controlling Big Sagebrush (*Artemisia tridentata*) on State and Private Rangelands in Utah

HOLMAN, GERALD W.

Sanford, Colorado
BS: Colorado State University, 1960
Major: Mechanical Engineering
Major Professor: Dr. P. T. Blotter
Thesis: Finite Element Methods Applied to Aircraft Landing Mat

HONG, GENE LEONG

Ogden, Utah
BS: Weber State College, 1969
Major: Bacteriology
Major Professor: Dr. Gary H. Richardson
Thesis: Evaluation, Assay, Distribution, and Survey of *Staphylococcus aureus* Thermonuclease in Milk and Cheese Products

HOUSTON, NIDA DIANE

Panguitch, Utah
BS: Utah State University, 1972
Major: Nutrition and Food Sciences
Major Professor: Professor Francis G. Taylor
Thesis: The Influence of a Nutrition Education Program on Preschool Children

HOWARD, RICHARD PHILLIP

Pocatello, Idaho
BS: Idaho State University, 1969
Major: Wildlife Science
Major Professor: Dr. Michael Wolfe
Thesis: Breeding Biology of the Ferruginous Hawk in Northern Utah and Southern Idaho

HSIEH, YU-MING

Taipei, Taiwan
BS: Tatung Institute of Technology, 1970
Major: Mechanical Engineering
Major Professor: Dr. Russell M. Holdredge
Thesis: Plan B

MASTER OF SCIENCE (Continued)

HSU, LING-YUE

Taipei, Taiwan
BS: National Taiwan University, 1970
Major: Bacteriology
Major Professor: Dr. Rex S. Spendlove
Thesis: Effect of Chymotrypsin on Neonatal Calf Diarrhea Virus

HSU, MING-LI

Ying-Ko, Taiwan
BS: Cheng-Kung University, 1971
Major: Chemistry
Major Professor: Dr. Richard K. Olsen
Thesis: Synthesis of Quinoxalinecarbonyl Dipeptide Lactone Related to the Quinoxaline Antibiotics

JENSEN, JON JAMES

Hyrum, Utah
BS: Utah State University, 1968
Major: Botany
Major Professor: Dr. Orson S. Cannon
Thesis: Seedling Rust of Safflower--Its Influence on the Performance of Selected Varieties and Partial Hybrids

JOHNSON, BRUCE ALLEN

Ogden, Utah
BS: Brigham Young University, 1971
Major: Civil and Environmental Engineering
Major Professor: Dr. E. J. Middlebrooks
Thesis: Water Quality as an Approach to Managing Recreational Uses and Development on a Mountain Watershed

KAHNLE, ANDREW WILLIAM

Pottstown, Pennsylvania
BS: Cornell University, 1970
Major: Wildlife Science
Major Professor: Dr. Robert H. Kramer
Thesis: Effects of Physical Conditioning and Sex on Respiratory Physiology of Albino Rainbow Trout, *Salmo gairdneri*

KARREN, ADELLE TAGGART

Logan, Utah
BS: Utah State University, 1974
Major: Family and Child Development
Major Professor: Dr. Jay D. Schvaneveldt
Thesis: Maternal Attitudes and Perceptions Concerning the Curriculum and Instructional Procedures in a University Preschool Program

KEENAN, ROBERT LYNN

Houston, Texas
BS: Sam Houston State University, 1964
Major: Wildlife Ecology
Major Professor: Dr. William F. Sigler
Thesis: Group Interest and the Formation of Public Policy: A Case Study

KEMPER, ROBERT ERNEST

Lander, Wyoming
BS: Virginia Polytechnic Institute, 1968
Major: Forest Science
Major Professor: Dr. Laurence S. Davis
Thesis: Costs of Environmental Constraints on Timber Harvesting and Regeneration Programs

KIDMAN, DON C.

Logan, Utah
BS: Utah State University, 1942
Major: Soil Science and Biometeorology
Major Professor: Dr. David W. James
Thesis: Residual Nitrogen as it Affects Soil Fertility Under Irrigated Agriculture in a Tropical Wet-Dry Climate

KRAISORN, KARIN

Phrae Province, Thailand
BS: Kasetsart University, 1970
Major: Political Science
Major Professor: Dr. Jim Mulder
Thesis: Plan B

LACEY, MIRIAM Y.

Los Angeles, California
BS: Utah State University, 1972
Major: Family and Child Development
Major Professor: Dr. Carroll Lambert
Thesis: Sex Differences in Emotional Maturity: Socialization and Aggression

LAI, SHIOW-HWEY HARRIET

Taipei, Taiwan
BS: National Taiwan University, 1973
Major: Economics
Major Professor: Dr. Jay C. Andersen
Non-Thesis Option

LANDO, BARRE PAUL

Fairfax, California
BS: Utah State University, 1974
Major: Sociology
Major Professor: Dr. Stan L. Albrecht
Thesis: An Examination of the Police-Minority Relations

LARSEN, CAROL WILSON

Logan, Utah
BS: Utah State University, 1972
Major: Health, Physical Education, and Recreation
Major Professor: Dr. Lincoln H. McClellan
Thesis: The Status and Administration of Precision Drill Teams in Utah Junior High Schools

LARSEN, LORI DIANE

San Antonio, Texas
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

LARSON, WAYNE ELLIOTT

Phoenix, Arizona
BS: Brigham Young University, 1973
Major: Health, Physical Education and Recreation
Major Professor: Dr. Lanny J. Nalder
Thesis: Effect of Cryotherapy in Preventing Blistering and Tearing of Hands of Utah State University Male Gymnasts

LA SALLE, VINCENT ANTHONY

Spring Valley, New York
BS: State University College at Brockport, 1972
Major: Bacteriology
Major Professor: Dr. Rex S. Spendlove
Thesis: Neonatal Calf Diarrhea Virus-Host Cell Interaction

MASTER OF SCIENCE (Continued)

LEATHAM, LARRY A.

Logan, Utah
BS: Utah State University, 1973
Major: Psychology
Major Professor: Dr. Elwin C. Nielsen
Thesis: The Effects of a Self-Directed Behavior Change on Self-Concept

LEWIS, GAIL

Boise, Idaho
BS: Boise State College, 1973
Major: Health, Physical Education and Recreation
Major Professor: Dr. Robert Swenson
Thesis: A Comparison of Leisure Activities, Personality Traits, and Demographic Variables to Job Performance Evaluations of Forest Service Look-outs in Idaho

LIN, SHAN

Taichung, Taiwan
BS: Chung-Hsing University, 1969
Major: Mechanical Engineering
Major Professor: Dr. Warren F. Phillips
Thesis: The Thermal Force on Aerosol Particles

LITTIG, MELVIN JAMES

Baker, Oregon
BS: University of Utah, 1967
Major: History
Major Professor: Dr. F. Ross Peterson
Thesis: Into the Tunnel: A View of the Vietnam War 1960-1964

LONG, VERL THURMAN

St. Anthony, Idaho
BS: Brigham Young University, 1971
Major: Sociology
Major Professor: Dr. H. Reed Geertsen
Thesis: Personal and Social Factors in Drug Non-Compliance

LU, CHI-PING

Taipei, Taiwan
BS: National Chen-Chi University, 1971
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: Plan B

LUNDBERG, TIFFANY C.

Salt Lake City, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Professor Jaclyn Littledike
Thesis: Plan B

MA, YEH-HAO

New York City, New York
BS: National Tsing Hua University, 1970
Major: Applied Statistics
Major Professor: Dr. Rex L. Hurst
Thesis: The Computation of Eigenvalues and Eigenvectors of an NXN Real General Matrix

MAC FARLANE, MICHAEL VAL

Ogden, Utah
BS: Weber State College, 1971
Major: Sociology
Major Professor: Dr. Yun Kim
Thesis: Projections for School Population and Teacher Demand in the State of Utah for the Period 1970-2000

MAC NEIL, JUDEE A.

Murray, Utah
BS: Utah State University, 1966
Major: Health, Physical Education and Recreation
Major Professor: Dr. Lanny J. Nalder
Thesis: A Study of the Effects of Fatigue on Three Factors of Vision

MANN, DAVID KENT

Bountiful, Utah
BS: Utah State University, 1972
Major: Range Ecology
Major Professor: Dr. Thadis W. Box
Thesis: Vegetational Change in Four Major Plant Communities of the Welder Wildlife Refuge from 1957-1958 to 1973

MARTINEZ, LUIS R.

Venezuela
BS: Universidad de Oriente, 1969
Major: Soil Science and Biometeorology
Major Professor: Dr. Inge Dirmhirn
Thesis: The Radiative and Conductive Heat Exchange of a Cold Desert

MAUGHAN, ROBERT Y.

Idaho Falls, Idaho
BS: Brigham Young University, 1971
Major: Physics
Major Professor: Dr. John K. Wood
Thesis: ESCA Applied to Low Temperature Diffusion in Thin-Film Gold-Silver Couple

MAYFIELD, NORMAN KARL

Bountiful, Utah
BS: Utah State University, 1974
Major: Communicative Disorders
Major Professor: Dr. Richard D. Taylor
Thesis: Application of a "Feeling-of-Understanding" Self-Evaluation Procedure to Measure Everyday Listening Efficiency

MC CARTY, THOMAS E.

Independence, Kansas
BS: Utah State University, 1972
Major: Civil and Environmental Engineering
Major Professor: Dr. Robert A. Gearheart
Thesis: Guidelines for Writing Operation and Maintenance Manuals for Wastewater Treatment Plants with an Example Manual for Hill Air Force Base Industrial Wastewater Treatment Plant

MC CULLOUGH, LARRY REED

Pocatello, Idaho
Major: Psychology
Major Professor: Dr. Michael R. Bertoch
Thesis: A Comparison of the Effects of a Growth Group and a Behavior Change Group on the Inner-Directionality of College Students

MC KINLAY, LYNN A.

Provo, Utah
BS: Utah State University, 1973
Major: Speech
Major Professor: Dr. Burrell F. Hansen
Thesis: The Role of Criticism in the Development of a Philosophy of the Standard for Broadcast Programming and Performance

MASTER OF SCIENCE (Continued)

MEALE, ERIC ROBIN

Elko, Nevada
BS: College of Idaho, 1973
Major: Agricultural Economics
Major Professor: Dr. E. Boyd Wennergren
Thesis: Consumer Surplus and Economic Rent Estimates of Recreation Value: An Empirical and Theoretical Comparison

MENDENHALL, ARTHUR J.

Richmond, Utah
BS: Utah State University, 1971
Major: Geology
Major Professor: Dr. Clyde T. Hardy
Thesis: Structural Geology of Eastern Part of Richmond and Western Part of Naomi Peak Quadrangles, Utah-Idaho

MESSINGER, JOHN ROBERT

Denver, Colorado
BS: Golden Gate University, 1971
Major: Political Science
Major Professor: Dr. Robert A. Hoover
Thesis: OPEC: A Design for the Future

MILBRANDT, MARIETTE KAYE JOHNSON

Salt Lake City, Utah
BA: Utah State University, 1972
Major: Communicative Disorders
Major Professor: Dr. Thomas S. Johnson
Thesis: An Investigation of Oral Stereognosis and Articulation in Sighted and Blind Children

MOHAMED, FAISAL OMAR

Mosul, Iraq
BS: University of Zagreb, 1966
Major: Nutrition and Food Sciences
Major Professor: Dr. C. A. Ernstrom
Thesis: Manufacture of Monterey Cheese from Pre-acidified Milk

NANNEY, CRAIG KENT

Ogden, Utah
BS: Utah State University, 1972
Major: Communicative Disorders
Major Professor: Dr. Steven H. Viehweg
Thesis: Electronystagmography: A Learning Packet

NASSEHZADEH-TABRIZI, ABDOLHOSSIEH

Tabriz, Iran
BS: University of Tabriz, 1969
Major: Agricultural and Irrigation Engineering
Major Professor: Dr. Komain Unhanand
Thesis: Effect of Vibration on Draft in Construction of Mole Drain

NEAL, PARRIS CORNEL

Portage, Utah
BS: Utah State University, 1973
Major: Electrical Engineering
Major Professor: Dr. David A. Burt
Thesis: Design and Calibration of a Rocket-Borne Soft Electron Spectrometer

NELSON, PAULINE

Logan, Utah
BS: Utah State University, 1969
Major: Family and Child Development
Major Professor: Dr. Carroll Lambert
Thesis: Attitudes of High School and College Females Toward Family Life and Children

NERVIG, NORDALE N.

Ogden, Utah
BS: Weber State College, 1970
Major: Industrial Education
Major Professor: Dr. Neill C. Slack
Thesis: The Feasibility and Effect of Work Experience Simulation Modules on Career Maturity of Selected 6th Grade Students

NGE'THE, JOHN CHEGE

Nairobi, Kenya, East Africa
BS: University of East Africa, 1967
Major: Range Science
Major Professor: Dr. Thadis M. Box
Thesis: Diet Composition and Nutritive Content of Forage Consumed by Elands and Goats

NIELSON, LYNNETTE THORNE

Logan, Utah
BS: Utah State University, 1973
Major: Business Education
Major Professor: Dr. Theodore W. Ivarie, Jr.
Thesis: An Analytical Study of Word Processing in Selected Administrative Offices at Utah State University

NINNEMANN, PETER JOHN

Wausaukee, Wisconsin
BS: Northland College, 1967
Major: Health, Physical Education and Recreation
Major Professor: Dr. Lanny J. Nalder
Thesis: A Comparison of Oral Electrolyte Supplementation Compared with Water Supplementation, Upon Sodium, Potassium, and Chloride Replacement by Urine Analysis

OLEKSIK, FREDRICK MARION

Riverton, Wyoming
MA: Chapman College, 1972
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

OLEOLE, ALLAN B.

Laie, Hawaii
BS: Utah State University, 1970
Major: Economics
Major Professor: Dr. Gary B. Hansen
Thesis: An Evaluation of the Success Factors in Two Utah Secondary Schools

O'REAGAN, PATRICIA DIANNE

McLean, Virginia
BS: Strayer College, 1972
Major: Business Education
Major Professor: Dr. Edward L. Houghton
Thesis: Plan B

OSMAN, ABDELGADER AHMED

Khartoum, Sudan
BS: Egypt, 1965
Major: Range Science
Major Professor: Dr. John C. Malechek
Thesis: Plan B

MASTER OF SCIENCE (Continued)

PADUNGCHAI, SUMOL

Bangkok, Thailand
BS: Chulalongkorn University, 1973
Major: Economics
Major Professor: Dr. Bartell Jensen
Non-Thesis Option

PATE, ALMA JOHN

Logan, Utah
BA: Utah State University, 1974
Major: Mechanical Engineering
Major Professor: Dr. J. Clair Batty
Thesis: Development of a Solar Crop Dryer

PATE, ROBERT ARTHUR

Logan, Utah
BS: Utah State University, 1973
Major: Mechanical Engineering
Major Professor: Dr. Warren F. Phillips
Thesis: A Hot Liquid Energy Storage System Utilizing Natural Circulation

PENSIRIPUN, KIETIPONG,

Bangkok, Thailand
BS: Chulalongkorn University, 1970
Major: Nutrition and Food Sciences
Major Professor: Dr. Gary H. Richardson
Thesis: Evaluation of a Vapor Pressure Osmeter for Determination of Added Water in Milk

PETERSON, ANN M.

Red Deer, Alberta, Canada
BS: University of Alberta, 1959
Major: Home Economics and Consumer Education
Major Professor: Professor Barbara White
Thesis: A Comparison of Grade Three Children on Selected Perceptual and Personality Variables and Clothing Awareness

PETERSON, MARTIN WYATT

Logan, Utah
BS: Utah State University, 1973
Major: Bacteriology
Major Professor: Dr. Rex S. Spendlove
Thesis: Detection of Neonatal Calf Diarrhea Virus (NCDV) and Human Infant Reolike Diarrhea Virus

PEZZINO, JAMES

Newark, New Jersey
BS: University of Montana, 1972
Major: Psychology
Major Professor: Dr. Glendon Casto
Thesis: The Effects of Two Levels of Reinforcement on Learning and Retention Scores

PHIMOLSIRI, SAENEE

Bangkok, Thailand
BS: Weber State College, 1973
Major: Political Science
Major Professor: Dr. Wendell B. Anderson
Thesis: Plan B

POCOCK, RICHARD LOWELL

Sugar City, Idaho
BS: Utah State University, 1973
Major: Plant Science
Major Professor: Dr. John O. Evans
Thesis: The Influence of Terbutryn on Reproduction and Photosynthesis of Two Fresh Water Algae

POST, JANE RHAE

Logan, Utah
BS: Michigan State University, 1953
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: A Study of Four Statistics, Used in Analysis of Contingency Tables, in the Presence of Low Expected Frequencies

POTEWIRATANANOND, SUWAN

Bangkok, Thailand
BS: Chulalongkorn University, 1972
Major: Nutrition and Food Sciences
Major Professor: Dr. D. K. Salunkhe
Thesis: Anthocyanins of Fresh, and Stored Freeze-Dried Sour Cherries in Compressed Form

PRANOOTNARAPARN, POONSAKDI

Bangkok, Thailand
BS: Chiangmai University, 1973
Major: Political Science
Major Professor: Dr. Wendell B. Anderson
Thesis: Plan B

RANDLE, MARK DOUGLAS

Salt Lake City, Utah
BS: Utah State University, 1974
Major: Economics
Major Professor: Dr. Gary B. Hansen
Thesis: A Statistical Analysis of Apprentice Program Dropouts and Completers in Utah : 1969-74

RATANASEN, NUAN-ANONG

Bangkok, Thailand
BS: Thammasart University, 1970
Major: Economics
Major Professor: Dr. Bartell Jensen
Non-Thesis Option

REMUND, SHERRY DOUGLAS

Salt Lake City, Utah
BS: Brigham Young University, 1970
Major: Family and Child Development
Major Professor: Dr. Jay D. Schvandteldt
Thesis: A Comparative Study of Mother's Education and Early Child Rearing Practices in a Southwestern Indian Pueblo

RICHARDS, KIM DAVID

Ogden, Utah
BS: Weber State College, 1968
Major: Chemistry
Major Professor: Dr. Richard K. Olsen
Thesis: The Reaction of Dimethyl- and Di-n-butyl-copper Lithium with 3-Bromo-2- (2-phenylacetamido) Acrylic Acid

RICHARDSON, STEVEN GLEN

Fargo, North Dakota
BS: Weber State College, 1973
Major: Plant Science Ecology
Major Professor: Dr. Frank B. Salisbury
Thesis: Plant Light Responses Under Snow

RIDING, CLEO JANE

Vernal, Utah
BS: Utah State University, 1971
Major: Business Education
Major Professor: Dr. Theodore W. Ivarie, Jr.
Thesis: Plan B

MASTER OF SCIENCE (Continued)

ROBERTS, DONNA MILLER

Ogden, Utah
BS: Weber State College, 1967
Major: Business Education
Major Professor: Dr. Lloyd W. Bartholome
Thesis: Plan B

ROMAIH, SALEH MOHAMED

Uniaza, Saudi Arabia
BS: University of Riyadh, 1969
Major: Soil Science and Biometeorology
Major Professor: Dr. David W. James
Thesis: Evaluating the Availability of Organic Nitrogen in Soils

SAMADI, SULEIMAN AFIF

Nablus, Jordan
BS: University of Aleppo, 1961
Major: Civil and Environmental Engineering
Major Professor: Dr. Roland W. Jeppson
Thesis: The Effect of Heterogeneity Due to Variation of Soil Parameters on the Solution of the Flow Equation

SANDBERG, ROBERT REYNOLD, JR.

Salt Lake City, Utah
BS: Utah State University, 1973
Major: Sociology
Major Professor: Dr. William A. DeHart
Thesis: Opportunity, Relative Deprivation and Worker Job Satisfaction: A Case Involving A Cabinet Job Shop

SARMA, SOMAYAJULA CHALAPATI

Karnal, India
BS: Indian Institute of Science, 1961
Major: Mechanical Engineering
Major Professor: Dr. J. Clair Batty
Thesis: Yield and Texture of Solids in Whey Concentrate Recovered Through Ultrafiltration

SCHMIDT, THOMAS ANDREW

Placerville, California
BS: Utah State University, 1973
Major: Civil and Environmental Engineering
Major Professor: Dr. Joel E. Fletcher
Thesis: A Comparison of Frequency Distributions Used to Fit Annual Flood Series

SCHNIREL, JAMES R.

Geneva, New York
BS: University of Oklahoma, 1959
Major: Industrial Education
Major Professor: Dr. Austin G. Loveless
Thesis: A Study of the Relevancy of the Curriculum in Architectural Drafting Technology Offered at Utah Technical College of Salt Lake

SEARLE, CLINTON KENNETH

Brigham City, Utah
BA: Weber State College, 1969
Major: Bacteriology
Major Professor: Dr. Gary H. Richardson
Thesis: Comparison of Compatability of Streptococcus Starters in Reconstituted Non-Fat Dry Milk and a Whey-Based Bacteriophage Inhibitory Medium

SEYMOUR, MARY LOUISE

Murtaugh, Idaho
BS: Utah State University, 1974
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: The Reliability of Developmental Sentence Scoring as a Function of Language Sample Size

SHANDRUK, LEONARD JERRY

Edmonton, Canada
BS: University of Alberta, 1970
Major: Range Science
Major Professor: Dr. Arthur D. Smith
Thesis: A Comparison of Three Methods Used to Analyze Prong Horn Antelope Diets

SHIFRER, CURT COLLINS

Bishop, California
BS: Utah State University, 1972
Major: Civil and Environmental Engineering
Major Professor: Dr. E. J. Middlebrooks
Thesis: Effects of Temperature on the Toxicity of Oil Refinery Waste, Sodium Chlorate, and Treated Sewage to Fathead Minnows

SHINN, RANDALL SCOTT

Tigard, Oregon
BS: Lewis and Clark College, 1970
Major: Range Ecology
Major Professor: Dr. Neil E. West
Thesis: The Influence of Climate on Biomass and Mineralomass of a Crested Wheatgrass Community in Northern Utah

SLEIGHT, WELDON S.

Paris, Idaho
BS: Utah State University, 1972
Major: Agricultural Education
Major Professor: Dr. Von H. Jarrett
Thesis: Plan B

SMUTRAKALIN, VITIS

Bangkok, Thailand
BS: Utah State University, 1971
Major: Sociology
Major Professor: Dr. Yun Kim
Thesis: Aging of the Population and Its Socioeconomic Implications in Utah, 1900-2000

SNOW, DOYLE JOHN

Jensen, Utah
BS: Utah State University, 1972
Major: Agricultural Economics
Major Professor: Dr. Lynn H. Davis
Thesis: An Analysis of Private Land Transfers and Other Factors in Rural Utah Counties During 1969-1971

SOLOMON, NORMAN KING

Portland, Oregon
BA: Brigham Young University, 1968
Major: Economics
Major Professor: Dr. Kenneth S. Lyon
Non-Thesis Option

MASTER OF SCIENCE (Continued)

SONG, SUNG-IK

Seoul, Korea
BS: Seoul National University, 1963
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: Comparison of Transition Matrices Between Metropolitan and Non-Metropolitan Areas in the State of Utah Using Juvenile Court Data

SORENSEN, DARWIN LEVOY

Centerfield, Utah
BS: Utah State University, 1972
Major: Bacteriology
Major Professor: Dr. Frederick J. Post
Thesis: *In Situ* Nitrogen Fixation in Cold Desert Soil-Algae Crust in Northern Utah

SORENSEN, M. KEITH

Logan, Utah
BA: University of Utah, 1969
Major: Landscape Architecture and Environmental Planning
Major Professor: Professor Richard Toth
Thesis: An Introduction to Graphics in the Design Professions

SORIA, CARLOS

LaPaz, Bolivia
BS: San Simon University, 1968
Major: Plant Science
Major Professor: Dr. Kenneth W. Hill
Thesis: Plan B

SPENCER, CLIFFORD BRENT

Idaho Falls, Idaho
BS: Utah State University, 1972
Major: Electrical Engineering
Major Professor: Dr. William I. Fletcher
Thesis: Data Controller for an Observatory Interferometer

SRIWONGSIRIWAT, WIYADA

Kanchanaburi, Thailand
BS: Chulalongkorn University, 1971
Major: Applied Statistics
Major Professor: Dr. David White
Thesis: Plan B

STARKEY, JUDY SIMS

Evanston, Wyoming
BS: Utah State University, 1973
Major: Home Economics and Consumer Education
Major Professor: Professor Marie Krueger
Thesis: Evaluation of a Clothing Construction Waiver Test at Utah State University with Implications for Revision

STELLHORN, RONNIE L.

Freeburg, Illinois
BS: Southern Illinois University, 1969
Major: History
Major Professor: Dr. S. George Ellsworth
Thesis: A History of the Lutheran Church in Utah

STEPHENS, FREYA LANELLE

Ogden, Utah
BS: Russell Sage College, 1965
Major: Political Science
Major Professor: Dr. Robert A. Hoover
Thesis: Plan B

STEVENSON, JEANNE MARIE

Edmonds, Washington
BA: Central Washington State College, 1971
Major: Special Education
Major Professor: Dr. Hyrum S. Henderson
Thesis: A Comparison of the Effectiveness of Algorithms with Traditional Instructional Materials

STOVER, PAUL E.

Twin Falls, Idaho
BS: Utah State University, 1969
Major: Health, Physical Education and Recreation
Major Professor: Dr. Lincoln McClellan
Thesis: Attitudes of Male Students and Their Parents Toward Physical Education at Logan Junior High School, Logan, Utah

SU, KUO HSIUNG

Taipei, Taiwan
BS: National Chung Hsing University, 1967
Major: Applied Statistics
Major Professor: Dr. Rex L. Hurst
Thesis: Plan B

SULLIVAN, TIMOTHY EDWARD

Bellflower, California
BS: Utah State University, 1973
Major: Soil Science and Biometeorology
Major Professor: Dr. R. J. Hanks
Thesis: Determining a Crop Production Function for Corn as Influenced by Irrigation and Salinity Levels

SUMMERS, LYLE C

Rexburg, Idaho
BS: Utah State University, 1973
Major: Agricultural Economics
Major Professor: Dr. Herbert H. Fullerton
Thesis: Economics of Land Use Planning: A Case Study of Annexation in Heber Valley, Utah

TANNER, BERTRAND DEE

Middleton, Wisconsin
BS: University of Wisconsin, 1967
Major: Soil Science and Biometeorology
Major Professor: Dr. Inge Dirmhirn
Thesis: Free Water and Ice Density Values in a Logan Canyon Snowpack

TEUSCHER, MICHAEL COOK

Montpelier, Idaho
BS: Utah State University, 1964
Major: Mechanical Engineering
Major Professor: Dr. Edward W. Vendell, Jr.
Thesis: River Model 'QUAL' Improvements and Accuracy Verification

THOMAS, DEE BROWNING

Richfield, Utah
BS: Utah State University, 1960
Major: Watershed Science
Major Professor: Dr. George B. Coltharp
Thesis: The Effects of Gully Plugs and Contour Furrows on Erosion and Sedimentation in Cisco Basin Utah

TINKEY, ROGER SCOTT

Bayside, California
BS: Utah State University, 1972
Major: Civil and Environmental Engineering
Major Professor: Dr. Robert A. Gearheart
Thesis: Lagoon Effluent Polishing by Soil Mantle Treatment Using Various Utah Soil Types

MASTER OF SCIENCE (Continued)

TONDREAU, JORGE EUGENIO

Vina Del Mar, Chile
BS: University de Catolica, 1970
Major: Agricultural and Irrigation Engineering
Major Professor: Professor Lyman S. Willardson
Thesis: Influence of a Fluctuating Water Table on Soil Aeration

TRIBO, JERILYN DU KET

Los Angeles, California
BS: Utah State University, 1974
Major: Home Economics and Consumer Education
Major Professor: Professor L. Karen Fullerton
Thesis: Innovativeness in Clothing Behavior Among a Uniformed Group of Male Military Personnel

TSANG, TOM HING-CHOR

Kowloon, Hong Kong
BS: Pacific Union College, 1972
Major: Physics
Major Professor: Dr. Kay D. Baker
Thesis: Analysis of Results of a Rocketborne Photometer for Measurement of Nitric Oxide

TUTTLE, MARK NEWTON

Salt Lake City, Utah
BS: Utah State University, 1974
Major: Political Science
Major Professor: Dr. Dan E. Jones
Thesis: The 1974 Utah General Election: Analysis and Comparison of Two Surveys

VANCE, SELMA ELIZABETH

Salt Lake City, Utah
BS: Utah State University, 1974
Major: Communicative Disorders
Major Professor: Dr. Thomas S. Johnson
Thesis: A Therapeutic Approach to an Extended Length of Utterance Program for Extension and Generalization of Appropriate Vocal Quality Production

VANDERBEEK, JAMES L.

Clintom, Missouri
BS: Utah State University, 1973
Major: Mechanical Engineering
Major Professor: Dr. P. T. Blotter
Thesis: The Development of a Double Integration Circuit Which Will Allow Displacement Data to be Obtained from Acceleration Translucers

VAN LUIK, ABRAHAM E.

Logan, Utah
BS: UCLA, 1972
Major: Soil Science and Biometeorology
Major Professor: Dr. Raymond W. Miller
Thesis: Ammonia and Nitrate Nitrogen in the Soil Profile and Its Relation to Various Nitrogen Treatments on Dry-Land Winter Wheat

VAUSE, MARK WAYNE

Ogden, Utah
BS: Utah State University, 1973
Major: Communicative Disorders
Major Professor: Dr. Steven H. Viehweg
Thesis: A Programmed Approach to Clinical Masking

VERBURG, JOHN MATTHIAS

Ogden, Utah
BS: Weber State College, 1972
Major: Political Science
Major Professor: Dr. Edward H. Allen
Thesis: The Impact Public Utility Rate Alterations Could Have for Energy Conservation and Household Consumption Patterns

VOGELSBERG, MARY CLEAVE

Wellsville, Utah
BS: Colorado State University, 1969
Major: Botony
Major Professor: Dr. Raymond I. Lynn
Thesis: Carbon Nitrogen and Algal Biomass in Cold Desert Soil Crusts

VOGELSBERG, ROSS TIMM

Gladwyne, Pennsylvania
BS: Colorado State University, 1968
Major: Special Education
Major Professor: Dr. M. Wayne Dotts
Thesis: Formative Evaluation for Selected Instructional Procedures

WAGNER, RONALD GEORGE

Saskatoon, Canada
BED: University of Saskatchewan, 1965
Major: Business Education
Major Professor: Dr. Lloyd W. Bartholome
Thesis: Plan B

WANG, AUSTIN HSIANG

Taipei, Taiwan
BS: Utah State University, 1973
Major: Manufacturing Engineering
Major Professor: Dr. Carl D. Spear
Thesis: Interfacing of the Hewlett-Packard 2115A Computer with the Sceptre Numeric Controlled Machine

WATSON, GERALD A.

Delburne, Canada
BS: Utah State University, 1968
Major: Health, Physical Education and Recreation
Major Professor: Dr. Dale O. Nelson
Thesis: A Comparison of Isokinetic and Isotonic Exercise Programs on Selected Qualities of Fitness

WHITE, BLAIK J.

Murray, Utah
BS: Utah State University, 1974
Major: Communicative Disorders
Major Professor: Dr. Thomas S. Johnson
Thesis: Plan B

WHITE, BRUCE FOSTER

Oklahoma City, Oklahoma
BS: Oklahoma State University, 1970
Major: Mathematics
Major Professor: Dr. E. R. Heal
Thesis: Inverse Limits of Banach Algebras

WILDE, MURRAY FLOYD

Taber, Canada
BS: University of Alberta, 1949
Major: Agricultural Education
Major Professor: Dr. Gilbert A. Long
Thesis: An Evaluation of the Consistency with which Extension Workers in Utah Interpret Data Elements for Reporting into the State Extension Management Information System

MASTER OF SCIENCE (Continued)

WILKINSON, RANDALL FORD

Vernal, Utah
BS: Utah State University, 1974
Major: Nutrition and Food Sciences
Major Professor: Dr. Gary H. Richardson
Thesis: Milk Protein Analysis by Automated Ultraviolet Spectrophotometry

WILLIS, PATRICIA BAUGH

North Logan, Utah
BS: Utah State University, 1970
Major: Special Education
Major Professor: Dr. Alan W. Hofmeister
Thesis: Validation of a Mastery Program in Math Combinations

WISNIEWSKI, EUGENE W.

Logan, Utah
BS: Utah State University, 1974
Major: Dairy Science
Major Professor: Dr. Clive W. Arave
Thesis: Relationship of Circulating Eosinophils, Other Blood Cellular Components and Plasma Corticoids in Dairy Cattle Subjected to Nutritional Stress

WLOSINSKI, JOSEPH H.

Wilmington, Delaware
BS: University of Delaware, 1972
Major: Range Ecology
Major Professor: Dr. David W. Goodall
Thesis: Exploratory Sensitivity Analysis of a Stream Ecosystem Model

YOUNG, MICHAEL LEWIS

Logan, Utah
BS: Utah State University, 1974
Major: Outdoor Recreation
Major Professor: Dr. Lawrence Royer
Thesis: An Investigation into the Impact of Outdoor Recreation on Water Quality

YOUNGER, RALPH VERNON

Heber City, Utah
BA: Harding College, 1954
Major: Communicative Disorders
Major Professor: Dr. Jay R. Jensen
Thesis: Plan B

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J. LaMar Wright, *College of Engineering*

Frances Taylor, *College of Family Life*

Richard C. Haycock, *College of Humanities, Arts, and Social Sciences*

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Chrystal A. Christensen, *School of Graduate Studies*



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TO THE 1975 COLLEGE GRADUATES:

President Eisenhower once said that education is not only the means for earning a living, but for enlarging life. His words are especially appropriate for those who complete college. Your generation's candor, sensitivity and desire for creative involvement are heartening signs that you will be doing more than just earning a living.

You are graduating in a particularly difficult year. You will be faced with many uncertainties. But the opportunities that await you are even greater than the challenges. It will indeed be within your grasp to enlarge and enrich life in our society. As you make the decisions that will shape your course and that of your country, I hope you will keep in mind that one person can make a difference.

Times have changed greatly since I went to college. But looking back on those days in the context of today's world, I know that the same optimism and hope I shared with my classmates is very much alive in you today. I want you to know how much I admire your enthusiasm and determination, and how convinced I am that you will make a difference for America.

I wish each of you the satisfaction that comes from doing your best at something you believe in.

Gerald R. Ford

